EL (N			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Jacqueline	Li	City University of New York, City College	1014777	IDR: Optimization of Nanodielectric Composites for Energy Storage Applications	Interdisciplinary Research	Advanced Manufacturing	A
John	Coulter	Lehigh University	1014987	IDR: Mesenchymal Stem Cells and Mechanotransduction: An Investigation of Nano- Structured Injection Molded Polymeric Biointerfaces	Interdisciplinary Research	Advanced Manufacturing	В
Anand	Jagota	Lehigh University	1014960	IDR: Coupling Theory and Experiment to Quantify Biomolecule-Nanomaterial Interactions	Interdisciplinary Research	Advanced Manufacturing	С
Andrew	Gouldstone	Northeastern University	1014806	IDR/Collaborative Research: Activities in Thermal Spray Processing and Volcanology	Interdisciplinary	Advanced Manufacturing	D
Joseph	Davidson	Arizona State University	0969821	Math Based Precision Manufacturing and Metrology for Complex Mechanical Assemblies	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Burak	Ozdoganlar	Carnegie Mellon University	0547534	CAREER: Mechanics and Dynamics of Micromachining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	В
Burak	Ozdoganlar	Carnegie Mellon University	0728157	Fabrication of Single-Crystal Diamond Micro-Endmills for Micromachining Applications	Construction Machines	Advanced Manufacturing	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Machining Accuracy			
		Clemson University		Improvement Through	Manufacturing and		
		Research		Visual Control of an Active	Construction Machines	Advanced	
Laine	Mears	Foundation	0800507	Display	and Equipment	Manufacturing	D
				CAREER: Model-Based			
				Control of Machining			
		Clemson University		Processes and Scalability	Manufacturing and		
		Research		for Manufacturing System	Construction Machines	Advanced	
Laine	Mears	Foundation	0954318	Control	and Equipment	Manufacturing	Α
				CAREER: Understanding			
				Process-Induced Damage in			
				Laser-Assisted Cell Direct			
				Writing - Bridging	Manufacturing and		
				Manufacturing Science and	Construction Machines	Advanced	
Yong	Huang	Clemson University	0747959	Biomedical Research	and Equipment	Manufacturing	В
				EAGER: Transmission			
				Welding and Single-Step	Manufacturing and		
				Channeling of Transparent	Construction Machines		
Y. Lawrence	Yao	Columbia University	0936171	Materials by Ultrafast Laser	and Equipment	Manufacturing	С
				Collaborative Research:			
				Electrowetting Micro Array			
				Printing System for	Manufacturing and	l	
				Bioactive Tissue Construct			
David	Wootton	Cooper Union	0654244	Manufacturing	and Equipment	Manufacturing	D
				00 At 1/0 allah a nationa			
				GOALI/Collaborative			
				Research: Design and			
				Manufacturing of Bioactive	Manufacturing on -1		
				Surgical Fixation Devices	Manufacturing and	A diverse of	
David	Master	0	0000740	Using Injection Molding of	Construction Machines		_
David	Wootton	Cooper Union	0800743	Gradient Cellular Structures	and Equipment	Manufacturing	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Electrowetting Micro Array			
				Printing System for	Manufacturing and		
				Bioactive Tissue Construct	Construction Machines	Advanced	
Jack	Zhou	Drexel University	0700139	Manufacturing	and Equipment	Manufacturing	В
				GOALI/Collaborative			
				Research: Design and			
				Manufacturing of Bioactive	Manufacturing and		
				Surgical Fixation Devices Using Injection Molding of	Construction Machines	Advanced	
look	76.0	Draval Hairraraitre	0000705	Gradient Cellular Structures			
Jack	Zhou	Drexel University Georgia Tech	0800735	Gradient Cellular Structures	and Equipment	Manufacturing	С
		Research		EAGER: New Concept for			
		Corporation,		•	Manufacturing and		
				Inspection for Cracks in PV	Construction Machines	Advanced	
Ctovon	Donyluk	Georgia Institute of	1042187	•			D
Steven	Danyluk	Technology Georgia Tech	1042167	Manufacturing	and Equipment	Manufacturing	U
		Research		Freeform Fabrication of			
		Corporation,		Multifunctional	Manufacturing and		
		Georgia Institute of		Nanocomposites via	Construction Machines	Advanced	
Kyrioki	Kalaitzidou	Technology	1000323	Selective Laser Sintering	and Equipment	Manufacturing	
Kyriaki	NaiailZiuuu	Georgia Tech	1000323	Selective Laser Sintering	and Equipment	Manufacturing	A
		Research					
		Corporation,		Drop-on-Demand	Manufacturing and		
		Georgia Institute of		Deposition of Complex	Construction Machines	Advanced	
David	Rosen	Technology	0900322	Fluids for 3-D Manufacturing		Manufacturing	В
David	Rosen	reciniology	0900322	Fidius for 3-D Mandiacturing	and Equipment	Manufacturing	Ь
		Georgia Tech		Laser Ultrasound Inspection			
		Research		System for Quality			
		Corporation,		Evaluation of Emerging	Manufacturing and		
		Georgia Institute of		Complex Packaged	Construction Machines	Advanced	
I. Charles	Ume	Technology	0653730	Electronic Devices	and Equipment	Manufacturing	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		Georgia Tech		An Engineering-Statistical			
		Research		Approach to Predictive			
		Corporation,		Modeling and Robust	Manufacturing and		
		Georgia Institute of		Optimization with	Construction Machines	Advanced	
Roshan	Vengazhiyil	Technology	0654369	Applications to Machining	and Equipment	Manufacturing	D
				GOALI/Collaborative			
		Georgia Tech		Research: Design and			
		Research		Manufacturing of Bioactive			
		Corporation,		Surgical Fixation Devices	Manufacturing and		
		Georgia Institute of			_	Advanced	
Donggang	Yao	Technology	0800016	, ,	and Equipment	Manufacturing	Α
35** 5				Collaborative Research:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	J J	
				Mathematical Modeling and			
				Experimental Study of			
				Femtosecond Laser	Manufacturing and		
		Illinois Institute of		Machining of High Aspect	Construction Machines	Advanced	
Benxin	Wu	Technology	0826184	Ratio Microstructures	and Equipment	Manufacturing	В
				Collaborative Research:			
				Electromagnetic Peening			
				Assisted Laser			
				Micromachining (EPALM) -			
				, ,	Manufacturing and		
		Illinois Institute of		Process with Enhanced	Construction Machines	Advanced	
Benxin	Wu	Technology	0970079	Mechanical Properties	and Equipment	Manufacturing	С
				Collaborative Research:			
					Manufacturing and		
		Iowa State		•		Advanced	
Ashraf	Bastawros	University	0654162	Patterning Process	and Equipment	Manufacturing	D
				Rapid Process Development	Manufacturing and		
		Iowa State		for Chemical Mechanical	Construction Machines	Advanced	
Abhijit	Chandra	University	0900093	Planarization	and Equipment	Manufacturing	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				EAGER/Collaborative			
				Research: Nanocomposite			
				Copper Tooling for Faster			
				Cycle and Improved	Manufacturing and		
		Iowa State		Precision in Plastic Molding -	Construction Machines	Advanced	
Pal	Molian	University	0944565	Proof of Concept	and Equipment	Manufacturing	В
				Shock Wave Induced			
				Freeform Technique	Manufacturing and		
		Iowa State		(SWIFT) for Manufacturing	Construction Machines	Advanced	
Pal	Molian	University	1029072	of Diamond Microtools	and Equipment	Manufacturing	С
				Two-Dimensional Cutting of			
				Polycrystalline Diamond and			
				CBN Tools and Dies using a		.	
		Iowa State		Novel Laser/Waterjet Hybrid		Advanced	
Pranav	Shrotriya	University	1000035	Manufacturing Process	and Equipment	Manufacturing	D
				CAREER: Fundamental			
				Research on Silicon Wafer			
				Fine Grinding to Foster a	Manufacturianand		
		Kanasa Otata		Quantum Leap in	Manufacturing and	A -l	
71- :::	Da:	Kansas State	00.40000	Manufacturing of Silicon	Construction Machines		
Zhijian	Pei	University	0348290	Wafers	and Equipment	Manufacturing	A
				Collaborative Research:			
				Fundamental Research on	Manufacturing and		
		Kansas State		Titanium Drilling with Rotary	Construction Machines	Advanced	
Zhijian	Pei	University	0900462	Ultrasonic Machining	and Equipment	Manufacturing	В
		- C. HVOTOICY	3000.02	Ultrasonic Vibration-	and Equipmont	manadamig	+ -
				Assisted Pelleting of	Manufacturing and		
		Kansas State		Cellulosic Biomass for	Construction Machines	Advanced	
Zhijian	Pei	University	0970112	Biofuel Manufacturing	and Equipment	Manufacturing	С

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
T il ot Hallio	<u> Laot Italiio</u>	Organization	Itamboi	Crant Title	1 rogram / trou	Oluotoi	Отопр
				CAREER: Multi-Scale			
				Structured Solid Carriers	Manufacturing and		
		Kansas State		Enabling Algae Biofuel	Construction Machines	Advanced	
Wenqiao	Yuan	University	0954885	Manufacturing in the Ocean	and Equipment	Manufacturing	D
				Development of Virtual CNC			
		Missouri University		Machine Tools and Web-	Manufacturing and	l	
A (1		of Science and	0000074	Based Machining Process	Construction Machines	Advanced	
Anthony	Okafor	Technology	0800871	Simulation and Learning	and Equipment	Manufacturing	А
				GOALI: Freeze-form			
				Extrusion Fabrication of			
		Missouri Hairersite		Composite Structures Using	Manufacturing and		
		Missouri University of Science and		Ultra High Temperature	Manufacturing and Construction Machines	Λ d) (0 0 0 0 d	
Mina	Lau		0856419	Ceramics and Refractory Metals		Advanced Manufacturing	В
Ming	Leu	Technology	0636419	GOALI: Accurate, High	and Equipment	Manufacturing	Ь
				Resolution Ladar for 3D	Manufacturing and		
		Montana State		Metrology at Large Standoff	Construction Machines	Advanced	
Zeb	Barber	University	1031211	Distances	and Equipment	Manufacturing	С
260	Daibei	Offiversity	1031211	Distances	and Equipment	Mandiacturing	
		North Carolina		CAREER: Hybrid Approach	Manufacturing and		
		AandT State		to Direct-Write Based Micro	Construction Machines	Advanced	
Salil	Desai	University	0846562	and Nano Manufacturing	and Equipment	Manufacturing	D
		,		CAREER: Fundamental	1 1 1	J J	
		North Carolina		Research on Rotary	Manufacturing and		
		AandT State		Ultrasonic Machining of	Construction Machines	Advanced	
Zhichao	Li	University	0953502	Dental Ceramic Materials	and Equipment	Manufacturing	А
		Nicoti Occultor		Material Effects and Tool	Manufacturing and		
Th	D	North Carolina	0000500	Wear in Vibration-Assisted	Construction Machines		
Thomas	Dow	State University	0800560	Machining	and Equipment	Manufacturing	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Characterization and Real			
				Time Defect Mitigation in			
				Chemical/Mechanical			
				Polishing of Microelectronic			
				Wafers Using Decision	Manufacturing and		
		Oklahoma State		Theory and MultiSensor			
Ranga	Komanduri	University	1000978	Fusion	and Equipment	Manufacturing	С
				Company County asia of Astiva	Manuela atuain a an d		
		Oklahama Ctata		Sensors: Synthesis of Active		A diverse d	
Dan	1	Oklahoma State	0500005	Quantum Dot Infra-Red (IR)	Construction Machines		
Don	Lucca	University	0529085	Sensors	and Equipment	Manufacturing	D
				GOALI/Collaborative	Manufacturia a anal		
				Research: Engineered	Manufacturing and	A al a . a a a al	
Out a transport	Ob an dragados	Donalosa I laissa naites	0000007	Surface Microstructures by	Construction Machines	Advanced	^
Srinivasan	Chandrasekar	Purdue University	0928337	Machining	and Equipment	Manufacturing	A
				Collaborative Research:			
				Controlling Surface Damage	Manufacturing and		
				in Machining of Hierarchical	Construction Machines	Advanced	
Srinivasan	Chandrasekar	Purdue University	1031056	Biological Composites	and Equipment	Manufacturing	В
Cililivadan	Ondradoka	T drade enverency	1001000	Diological Compositor	ana Equipment	Manadaming	+ -
				Nanostructures Integrated			
				Laser Shock Peening			
				(nLSP) Processes and Their	Manufacturing and		
				Mechanisms for Enhanced	Construction Machines	Advanced	
Gary	Cheng	Purdue University	0900327	Fatigue Performance	and Equipment	Manufacturing	С
,	Ŭ	·		Collaborative Research:		J	
				Electromagnetic Peening			
				Assisted Laser			
				Micromachining (EPALM) -			
				A Hybrid Micromachining	Manufacturing and		
				Process with Enhanced	Construction Machines	Advanced	
Gary	Cheng	Purdue University	1000226	Mechanical Properties	and Equipment	Manufacturing	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Pico-Second Laser Micro			
				Hole Drilling of Ceramics	Manufacturing and		
				and Ceramic Matrix	Construction Machines		
Yung	Shin	Purdue University	0653578	Composites	and Equipment	Manufacturing	A
				High Speed Picosecond	Manufacturing and		
				Laser Scribing of Multilayer	Construction Machines	Advanced	
Yung	Shin	Purdue University	01030786		and Equipment	Manufacturing	В
Turig	Sillii	r didde Offiversity	01030700	Collaborative Research:	and Equipment	Iviariuracturing	D
				Improving Machinability of			
				Titanium Alloys using	Manufacturing and		
		Rutgers University,		Physics-Based Simulation	Construction Machines	Advanced	
Tugrul	Ozel	New Brunswick	0758220	Modeling	and Equipment	Manufacturing	С
J					<u> </u>	Ŭ	
					Manufacturing and		
		The Ohio State		Micro-Optics Based 3D	Construction Machines	Advanced	
Allen	Yi	University	0928521	Microfabrication System	and Equipment	Manufacturing	D
		l laiseanite of		Nano-Diamond Coated	Manufacturing		
		University of Alabama,			Manufacturing and Construction Machines	A dy concod	
Kevin	Chou	Tuscaloosa	0728228	Cutting Tools: Modeling Tool Geometry Effects		Manufacturing	٨
Keviii	Criou	Tuscaloosa	0720220	Tool Geometry Ellects	and Equipment	Manufacturing	A
				GOALI/Collaborative			
		University of		Research: Interface	Manufacturing and		
		Alabama,		Engineered Diamond	Construction Machines	Advanced	
Kevin	Chou	Tuscaloosa	0928627	Coatings for Dry Machining	and Equipment	Manufacturing	В
				CAREER: A Fundamental	, ,	Ĭ	
				Study on Hard Turning -			
		University of		Prediction and Synthesis of	Manufacturing and		
		Alabama,		Surface Integrity and	Construction Machines	Advanced	
Yuebin	Guo	Tuscaloosa	0447452	Component Life	and Equipment	Manufacturing	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				GOALI: Six-Sigma Based			
				Robust Process Design			
				Under Tool Deterioration for			
				Giga Fatigue Life of			
		University of		Precision Machined	Manufacturing and		
		Alabama,		Components in Hard	Construction Machines	Advanced	
Yuebin	Guo	Tuscaloosa	0825780	Turning	and Equipment	Manufacturing	D
				Hybrid Dry Cutting - Finish			
				Burnishing of Novel			
				Biodegradable Magnesium-			
		University of		Calcium Implants for	Manufacturing and		
		Alabama,		Superior Corrosion	Construction Machines	Advanced	
Yuebin	Guo	Tuscaloosa	1000706	Performance	and Equipment	Manufacturing	Α
				Collaborative Research:			
				Design and Fundamental			
				Understanding of Advanced			
				Minimum Quantity			
				Lubrication (MQL)	Manufacturing and		
		University of		Machining using	Construction Machines	Advanced	
Ajay	Malshe	Arkansas	0927541	Nanolubricants	and Equipment	Manufacturing	В
				Outlink and a December			
				Collaborative Research:			
		University of		Controlling Surface Damage		l	
		California, Santa			Construction Machines		
Henry	Yang	Barbara	1031244	Biological Composites	and Equipment	Manufacturing	С
				Collaborative Research:			
				Applying Bayesian			
				Predictive Modeling and			
				Decision Theory to Milling	Manufacturing and		
				Profit Optimization under	Construction Machines		
Tony	Schmitz	University of Florida	0926667	Uncertainty	and Equipment	Manufacturing	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Unified Three-Dimensional			
					Manufacturing and		
				Drilling and Milling Tool	Construction Machines		
Tony	Schmitz	University of Florida	0928211	Assemblies (STaRC-3D)	and Equipment	Manufacturing	Α
				Workshop: Upportainty in	Manufacturing and		
				Workshop: Uncertainty in Machining; Washington,	Manufacturing and Construction Machines	Advanced	
Tony	Schmitz	University of Florida	01005205	DC; February 24-26, 2010			D
Tony	Schinicz	University of Florida	01005305	DC, February 24-26, 2010	and Equipment	Manufacturing	В
				Magnetic Field Assisted	Manufacturing and		
	Yamaguchi			Nanomachining of	Construction Machines	Advanced	
Hitomi	Greenslet	University of Florida	1000380	Ultraprecision Surfaces	and Equipment	Manufacturing	С
				Mitigating Fouling of			
				Membranes in the			
				Microfiltration of Metal-	Manufacturing and		
		University of Illinois,		Working Fluid for	Construction Machines	Advanced	
Shiv	Kapoor	Urbana-Champaign	0856172	Sustainable Manufacturing	and Equipment	Manufacturing	D
				Design of CNT Composite			
				Microstructural			
				Characteristics for			
					Manufacturing and		
		University of Illinois,		Functionality and	Construction Machines	Advanced	
Shiv	Kapoor	Urbana-Champaign	1029221	Manufacturability	and Equipment	Manufacturing	Α
		University of		Measurement and Control of		A -l	
V. Min n	75	Kentucky Research	0700400	Dynamic Weld Pool Surface			
YuMing	Zhang	Foundation	0726123	in Gas Metal Arc Welding	and Equipment	Manufacturing	В
		University of			Manufacturing and		
		Kentucky Research			_	Advanced	
YuMina	Zhang	Foundation	0825956	Given Arc Variables			С
YuMing	Zhang	Foundation	0825956	Given Arc Variables	and Equipment	Manufacturing	C

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		University of		Machine-Human	Manufacturing and		
		Kentucky Research		Cooperative Control of	Construction Machines	Advanced	
YuMing	Zhang	Foundation	0927707	Welding Process	and Equipment	Manufacturing	D
Taiviiig	Znang	Touridation	0321101	Welding Freecas	and Equipment	Manadataning	
				Collaborative Research:			
		University of		Fundamental Research on	Manufacturing and		
		Massachusetts,			Construction Machines	Advanced	
Xingwei	Wang	Lowell	0856204	,	and Equipment	Manufacturing	Α
	1			Tissue Machining - A Novel	12. 1	<u> </u>	
				Surgical Thermal	Manufacturing and		
		University of		Management System	Construction Machines	Advanced	
Albert	Shih	Michigan	0620756	(STMS)	and Equipment	Manufacturing	В
		<u> </u>		Collaborative Research:			
				Tissue Cutting Mechanics -			
				Investigation of the Effective	Manufacturing and		
		University of		and Minimally Invasive	Construction Machines	Advanced	
Albert	Shih	Michigan	0825795	Biopsy	and Equipment	Manufacturing	С
				Collaborative Research:			
				Design and Fundamental			
				Understanding of Advanced			
				Minimum Quantity			
				Lubrication (MQL)	Manufacturing and		
		University of		Machining using	Construction Machines	Advanced	
Albert	Shih	Michigan	0927511	Nanolubricants	and Equipment	Manufacturing	D
				Modeling and Analysis of			
				Material Removal and Tool	Manufacturing and		
		University of		Wear in Micro Ultrasonic	Construction Machines	Advanced	
Kamlakar	Rajurkar	Nebraska, Lincoln	0728294	Machining	and Equipment	Manufacturing	Α
				Minimization of Force Model			
		University of New		, ,	Construction Machines	Advanced	_
Barry	Fussell	Hampshire	0928602	Process Improvement	and Equipment	Manufacturing	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Todd	Gross	University of New Hampshire	0900054	Low Cost, High Bandwidth, and Non-Intrusive Machining Force Measurement System	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	С
James	Krzanowski	University of New Hampshire	1031052	A New Strategy for the Design of Wear Resistant Nitride Coatings for Dry Machining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Roger	Narayan	University of North Carolina, Chapel Hill	0547491	CAREER: Laser Processing of Microstructured Medical Devices	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Roger	Narayan	University of North Carolina, Chapel Hill	0800811	Laser Rapid Prototyping of Patient-Specific Ossicular Replacement Prostheses	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	В
Angela	Davies	University of North Carolina, Charlotte	0928364	In Situ Form Metrology in Manufacturing by Combining Engineered Optical Scattering and Photogrammetry	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	С
Matthew	Davies	University of North Carolina, Charlotte	0927621	Can Multi-Scale Optics be Fabricated by Ultraprecision Systems - Hierarchical Fabrication Across Seven Orders of Magnitude?	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Brigid	Mullany	University of North Carolina, Charlotte	0747637	CAREER: An Innovative Look at Precision Polishing Dynamics	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Stuart	Smith	University of North Carolina, Charlotte	1030700	Material Removal Mechanisms in Vortex Machining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	В

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
T il ot Italilo	<u> Luot Humo</u>	Organization	Itamio	Orani Tino	1 rogium 7 ii ou	Gladioi	Огоар
				CAREER: Bio-			
				Manufacturing			
				Heterogeneous Multi-scale	Manufacturing and		
		University of		3D Matrices for Engineering	Construction Machines	Advanced	
Binil	Starly	Oklahoma	0846610	Living Tissue Systems	and Equipment	Manufacturing	С
	į			Measuring			
				Thermomechanical Material			
				Response During			
				Micromachining by In Situ	Manufacturing and		
		University of		Scanning Electron	Construction Machines	Advanced	
M. Ravi	Shankar	Pittsburgh	0856626	Microscopy	and Equipment	Manufacturing	D
				GOALI/Collaborative			
				Research: Engineered	Manufacturing and		
		University of		Surface Microstructures by	Construction Machines	Advanced	
M. Ravi	Shankar	Pittsburgh	0927410	Machining	and Equipment	Manufacturing	Α
				Study of Reliability and			
				Modeling for Process			
				Optimization and Yield	Manufacturing and		
		University of South		Improvements in Chemical	Construction Machines	Advanced	
Ashok	Kumar	Florida	0727320	Mechanical Planarization	and Equipment	Manufacturing	В
				GOALI/Collaborative	Mari Carl San and		
		I had a made a at Cassette		Research: Interface	Manufacturing and	Λ -l l	
A = - = -	16	University of South	000000	Engineered Diamond	Construction Machines	Advanced	
Ashok	Kumar	Florida	0928823	Coatings for Dry Machining	and Equipment	Manufacturing	С
				Electrochemical Infiltration	Manufacturing and		
		University of Texas,		of Selective Laser Sintered	Construction Machines	Advanced	
David	Bourell	Austin	0926316	Preforms	and Equipment	Manufacturing	D
David	Dogreii	Austill	0320310	i leioillis	and Equipment	ivianulaciumig	
				The Fundamental Study of			
				UV Bonding Abrasive Tools	Manufacturing and		
				with Application to the	Construction Machines	Advanced	
Ioan	Marinescu	University of Toledo	0855769	Semiconductor Industry	and Equipment	Manufacturing	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				GOALI: Automated Laser			
				Micro Polishing System for	Manufacturing and	l	
l		University of		Meso/Micro Engineered	Construction Machines	Advanced	
Neil	Duffie	Wisconsin, Madison	0900044	Parts/Devices	and Equipment	Manufacturing	В
				Collaborative Research:			
				Embedding of Thin Film Sensors in Advanced			
				Ceramic Tools for			
				Micro/Nano Scale			
				Thermomechanical	Manufacturing and		
		University of		Measurements in and Near	Construction Machines	Advanced	
Xiaochun	Li	Wisconsin, Madison	0824713	Tool-Workpiece Interface	and Equipment	Manufacturing	С
Alaocituii		Wiscorisiii, Wadisoii	0024713	Micro Laser Assisted	and Equipment	Mandiacturing	
				Machining of	Manufacturing and		
		Western Michigan		Semiconductors and	Construction Machines	Advanced	
John	Patten	University	0757339	Ceramics	and Equipment	Manufacturing	D
001111	T GROTT	Offivoroity	0101000		ana Equipmont	Manadataning	+ -
					Manufacturing and		
		Wright State		Simulation of Coil Wedge	Construction Machines	Advanced	
Ramana	Grandhi	University	0758539	Effects in Sheet Rolling	and Equipment	Manufacturing	Α
		,		GOALI/Collaborative	' '		
				Research: A Modeling Base			
				_	Manufacturing and		
		Wright State		Electron Beam	Construction Machines	Advanced	
Nathan	Klingbeil	University	0700509	Manufacturing	and Equipment	Manufacturing	В
				GOALI/Collaborative			
				Research: Matching			
		Arizona State		Demand and Supply	Manufacturing	Advanced	
Esma	Gel	University	0654258	Through Price	Enterprise Systems	Manufacturing	С
				Regression-based Quality			
				Improvement in Complex			
		Arizona State			Manufacturing	Advanced	
Jing	Li	University	0825827	of Data Uncertaintly	Enterprise Systems	Manufacturing	D
unig	<u> -</u>	OTHVETSILY	0023027	or Data Officertaintly	Lineibiise Systeilis	ivianulaciumily	U

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Efficient Experimentation for			
		Arizona State		Product and Process	Manufacturing	Advanced	
Rong	Pan	University	0928746	Reliability Improvement	Enterprise Systems	Manufacturing	Α
				Storage Systems with	Manufacturing	Advanced	
Kevin	Gue	Auburn University	0926346	Virtual Aisles	Enterprise Systems	Manufacturing	В
				Collaborative Research:			
				Multi-Accuracy Bayesian			
				Models for Improving			
				Property Prediction of			
		Florida State		Nanotube Buckypaper	Manufacturing	Advanced	
Chun (Chuck)	Zhang	University	1000099	Composites	Enterprise Systems	Manufacturing	С
		Georgia Tech		CAREER: Real-Time			
		Research		Degradation-Based			
		Corporation,		Prognostic Methodology for			
		Georgia Institute of		Improving Reliability and	Manufacturing	Advanced	
Nagi	Gebraeel	Technology	0738647	Maintenance Logistics	Enterprise Systems	Manufacturing	D
		Georgia Tech		Efficient Learning			
		Research		Algorithms for Problems			
		Corporation,		with Acyclic State Spaces			
		Georgia Institute of		and their Application to	Manufacturing	Advanced	
Spiridon	Reveliotis	Technology	0619978	Reverse Logistics	Enterprise Systems	Manufacturing	Α
		Georgia Tech		Optimized Scheduling of			
		Research		Complex Resource			
		Corporation,		Allocation Systems through			
		Georgia Institute of		Approximate Dynamic	Manufacturing	Advanced	
Spiridon	Reveliotis	Technology	0928231	Programming	Enterprise Systems	Manufacturing	В
				GOALI: Causation-Based			
				Quality Control - A New			
		Georgia Tech		Paradigm to Achieve			
		Research		Effective Monitoring,			
		Corporation,		Diagnosis, and Control for			
		Georgia Institute of		Complex Manufacturing	Manufacturing	Advanced	
Jianjun	Shi	Technology	0927574	Systems	Enterprise Systems	Manufacturing	С

		Grant				Poster
Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
	Georgia Tech		Collaborative Research:			
	Research		Validation, Calibration, and			
	Corporation,		· ·			
	Georgia Institute of		Models with Functional	Manufacturing	Advanced	
Tsui	Technology	0927592	Output	Enterprise Systems	Manufacturing	D
	Research		CAREER: Design and			
	Corporation,					
Vengazhiyil	O,	0448774	and Processes	Enterprise Systems	Manufacturing	Α
	Ŭ			_		
Vengazhiyil	Technology	1030125		Enterprise Systems	Manufacturing	В
Snyder	Lehigh University	0726822	Bullwhip Effect	Enterprise Systems	Manufacturing	С
			DDDAS_SMPD: Poblistness			
				Manufacturing	Advanced	
Thiele	Lehigh University	0540143				D
1111010	Loringir Grinvorony	00 101 10		Enterprise Cycleme	Manadadaning	
	New Jersey Institute		· ·	Manufacturing	Advanced	
Leuna	,	0969830				Α
	or roominology	300000			manadamig	
	North Carolina			Manufacturing	Advanced	
Uzsov		0928573				В
	Tsui Vengazhiyil	Georgia Tech Research Corporation, Georgia Institute of Technology Georgia Tech Research Corporation, Georgia Institute of Technology Georgia Institute of Technology Georgia Tech Research Corporation, Georgia Tech Research Corporation, Georgia Institute of Technology Sending Institute of Technology Lehigh University Thiele Lehigh University New Jersey Institute of Technology North Carolina	Cast Name Organization Georgia Tech Research Corporation, Georgia Institute of Technology O927592	Collaborative Research: Collaborative Research: Collaborative Research: Collaborative Research: Collaborative Research: Validation, Calibration, and Prediction of Computer Models with Functional Output	Cast Name	Last Name Organization Number Grant Title Program Area Cluster

First Name	Last Name	Organization	Grant Number	Grant Title	Drogram Area	Cluster	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Next Generation Algorithms			
				for Planning Production and			
		North Carolina		Inventories with Uncertain	Manufacturing	Advanced	
Reha	Uzsoy	State University	1029706	Demand and Congestion	Enterprise Systems	Manufacturing	С
	<u> </u>	<u> </u>		A Bayesian Treatment of	' '		
				Uncertainty in Simulation-			
				Based Methods for			
		Northwestern		Enhancing Process and	Manufacturing	Advanced	
Daniel	Apley	University	0758557	Product Robustness	Enterprise Systems	Manufacturing	D
				Collaborative Research:			
				Blind Discovery of Variation			
		Northwestern			Manufacturing	Advanced	
Daniel	Apley	University	0826081	Multidisciplinary Teams	Enterprise Systems	Manufacturing	Α
				Approximate Dynamic			
				Programming in Complex			
		Northwestern		-	Manufacturing	Advanced	
Diego	Klabjan	University	0752726	Production Systems	Enterprise Systems	Manufacturing	В
				Mixed-Integer Optimization			
				for Multi-Item Multi-Echelon		1	
0.		Ohio State	0047050	Production and Distribution	Manufacturing	Advanced	
Simge	Kucukyavuz	University	0917952	Planning	Enterprise Systems	Manufacturing	С
				Collaborative Research:			
				Nonparametric Bayesian	Manufacturing	Advanced	
Too	Yuan	Ohio University	0926420	Modeling of Reliability of Nonelectronics	Manufacturing		
Тао	ruari	Ohio University	0926420	GOALI: Real-time	Enterprise Systems	Manufacturing	D
				Performance Prediction of			
				Multi-Stage Manufacturing			
				Systems using Nonlinear			
		Oklahoma State		Stochastic Differential	Manufacturing	Advanced	
Satish T. S.	Bukkapatnam	University	0729552	Equation Models	Enterprise Systems	Manufacturing	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				A Generalized Framework			
		Oregon State		for Scheduling of Printed	Manufacturing	Advanced	
Rasaratnam	Logendran	University	1029471	Circuit Boards	Enterprise Systems	Manufacturing	В
				Integrated Framework for			
				Operational Planning and			
				Scheduling Under	Manufacturing	Advanced	
Christodoulos	Floudas	Princeton University	0856021	Uncertainty	Enterprise Systems	Manufacturing	С
				Collaborative Research:			
				Optimal Sampling Plans in			
				Supply Chains with	Manufacturing	Advanced	
Hong	Wan	Purdue University	1030233	Endogenous Product Quality		Manufacturing	D
riong	VVaii	T drado ornivoroity	1000200	Bayesian Inventory and	Emorphico Cyclomo	iviarialaotaring	
				Replacement Models Using			
		Rensselaer		Real-Time Condition	Manufacturing	Advanced	
Jennifer	Ryan	Polytechnic Institute	0856379	Monitoring Information	Enterprise Systems	Manufacturing	Α
	, , ,			Collaborative Research:	,,	J	
				Validation, Calibration, and			
				Prediction of Computer			
		Rutgers University,		Models with Functional	Manufacturing	Advanced	
Ying	Hung	New Brunswick	0927572	Output	Enterprise Systems	Manufacturing	В
				Collaborative Research:			
		D ()		Optimal Sampling Plans in			
		Rutgers University,	1000100	Supply Chains with	Manufacturing	Advanced	
Xiaowei	Xu	Newark	1030196	Endogenous Product Quality	Enterprise Systems	Manufacturing	С
				CAREER: Project-Driven			
				Supply Chains (PDSCs)			
		D (1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		Integrating Supply Chain	Man Control	A 1 1	
V.	71	Rutgers University,	0747770	Planning With Project	Manufacturing	Advanced	
Yao	Zhao	Newark	0747779	Management	Enterprise Systems	Manufacturing	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: Collaborative			
				Information Processing of Distributed Sensor Networks			
		Tayon Francisco de la co				A division and	
V	Dina	Texas Engineering	0040450	for Manufacturing Quality	Manufacturing	Advanced	
Yu	Ding	Experiment Station	0348150	Improvement Collaborative Research:	Enterprise Systems	Manufacturing	A
		Tayon Francisco de la co		Fault Tolerance Analysis	Manarifacturing	A division and	
V	Dina	Texas Engineering	0707005	and Design of Clustered	Manufacturing	Advanced	
Yu	Ding	Experiment Station	0727305	Sensor Networks	Enterprise Systems	Manufacturing	В
		Tayon Engines :: :-		EAGER: Reducing Energy	Manufacturing	A division and	
NI- ('	0 - 1	Texas Engineering	0040005	Consumption in Data	Manufacturing	Advanced	
Natarajan	Gautam	Experiment Station	0946935	Centers	Enterprise Systems	Manufacturing	С
				Collaborative Research:			
				Modeling Reliability for		1	
		Texas Engineering		Scale-Driven Degradation	Manufacturing	Advanced	_
Yue	Kuo	Experiment Station	0654172	and Spatial Defects	Enterprise Systems	Manufacturing	D
				Collaborative Research:			
				Developing an Engineering			
				Virtual Organization for			
		University of		Discrete-Event Logistics	Manufacturing	Advanced	
Russell	Meller	Arkansas	0742744	Systems	Enterprise Systems	Manufacturing	А
				GOALI/Collaborative			
				Research: Understanding			
				and Controlling Variation			
				Propagation in Periodic	.	1	
l	_	University of		Structures: From Geometry	Manufacturing	Advanced	
Jiong	Tang	Connecticut	0900275	to Dynamic Response	Enterprise Systems	Manufacturing	В
				Collaborative Research:			
				Mitigating the Cost of			
	_			Anarchy in Complex Supply	Manufacturing	Advanced	
Joseph	Geunes	University of Florida	0927930	Chain Systems	Enterprise Systems	Manufacturing	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Integrated Modeling and			
				Optimization of			
				Manufacturing Variability			
				and Product Reliability for			
		University of		Advanced and Evolving	Manufacturing	Advanced	
Qianmei	Feng	Houston	0970140	Technologies	Enterprise Systems	Manufacturing	D
		I hair ranaite cat Illinaia		O a andio ata d Daiain a and	Manager and a second	A -b	
V:	Observ	University of Illinois,	0000045	Coordinated Pricing and	Manufacturing	Advanced	
Xin	Chen	Urbana-Champaign	0926845	Inventory Management	Enterprise Systems	Manufacturing	Α
				Collaborative Proposal:			
				EArly-concept Grants for			
				Exploratory Research			
				(EAGER): Design Principles			
		University of		for Warehouses with		1	
		Louisville Research		Autonomous Vehicles	Manufacturing	Advanced	
Sunderesh	Heragu	Foundation	0946713	(WAVE)	Enterprise Systems	Manufacturing	В
				Collaborative Research on			
				Risk Management in Supply			
		University of		Chains Using Market	Manufacturing	Advanced	
Xiuli	Chao	Michigan	0800004	Information	Enterprise Systems	Manufacturing	С
				GOALI: Modeling Product			
				Variety Induced			
				Manufacturing Complexity			
		University of		for Assembly System	Manufacturing	Advanced	
S. Jack	Hu	Michigan	0825438	Design	Enterprise Systems	Manufacturing	D
				GOALI: Transients of			
				Production Systems: Theory			
				and Applications for Real-			
		University of		Time Productivity	Manufacturing	Advanced	
Semyon	Meerkov	Michigan	0758259	Improvement	Enterprise Systems	Manufacturing	Α
				Collaborative Proposal:			
		University of		Optimizing the Supply Chain			
		Minnesota, Twin		for Cost and Carbon	Manufacturing	Advanced	
Saif	Benjaafar	Cities	0856303	Footprint	Enterprise Systems	Manufacturing	В

I ast Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
Last Name	Organization	Humber	Grant Title	i rogram Arca	Olusion	Огоир
			Collaborative Research:			
			Adaptive Maintenance			
	University of		Planning Based on Evolving	Manufacturing	Advanced	
Kharoufeh	Pittsburgh	0856702	Residual Life Distributions	Enterprise Systems	Manufacturing	С
			0.0550			
			•			
	Liniversity of					
	_			Manufacturing	A dy cop and	
Lies	•	0054667	I -	_		D
Liau	KIIOXVIIIE	0934007	Logistics	Enterprise Systems	Manufacturing	
			Exploration of a Statistically			
	University of					
	_			Manufacturing	Advanced	
Liao	Knoxville	0969060		_	Manufacturing	Α
			Collaborative Research on	, ,		
			Risk Management in Supply			
	University of Texas,		Chains Using Market	Manufacturing	Advanced	
Seshadri	Austin	0905039	Information	Enterprise Systems	Manufacturing	В
	,			•		
Li	Wisconsin, Madison	0727691		Enterprise Systems	Manufacturing	С
	_	0050050	,	_		
LI	Wisconsin, Madison	0952952	and Applications	Enterprise Systems	Manufacturing	D
			i-PICS: Integration of			
	University of			Manufacturing	Advanced	
Krishnamurthy	,	0840811	7 .			Α
	Liao	University of Pittsburgh University of Tennessee, Knoxville University of Tennessee, Knoxville University of Tennessee, Knoxville University of Texas, Austin University of Wisconsin, Madison University of Wisconsin, Madison University of University of Wisconsin, Madison University of University of Wisconsin, Madison	Last NameOrganizationNumberKharoufehUniversity of Pittsburgh0856702LiaoUniversity of Tennessee, Knoxville0954667LiaoUniversity of Tennessee, Knoxville0969060SeshadriUniversity of Texas, Austin0905039LiUniversity of Wisconsin, Madison0727691LiUniversity of Wisconsin, Madison0952952University of University of Wisconsin, MadisonUniversity of University of Wisconsin, Madison0952952	Last Name Organization Number Grant Title University of Pittsburgh 0856702 CAREER: Adaptive Operational Coordination Methodology for Uncertainty Reduction in Product Life Cycle Reliability and Service Liao Knoxville 0954667 Exploration of a Statistically Accurate and Energy Efficient Accelerated Testing Methodology University of Tennessee, Knoxville 0969060 Methodology Collaborative Research on Risk Management in Supply Chains Using Market Information University of University of University of Wisconsin, Madison University of University of Wisconsin, Madison University of University of Wisconsin, Madison University of Wisconsin, Madison University of University of University of Wisconsin, Madison University of University of University of University of University of Wisconsin, Madison University of University	Last Name Organization Number Collaborative Research: Adaptive Maintenance Planning Based on Evolving Residual Life Distributions CAREER: Adaptive Operational Coordination Methodology for Uncertainty Reduction in Product Life Cycle Reliability and Service Liao University of Tennessee, Knoxville University of Tennessee, Liao Knoxville O954667 Exploration of a Statistically Accurate and Energy Efficient Accelerated Testing Manufacturing Enterprise Systems Exploration of a Statistically Accurate and Energy Efficient Accelerated Testing Manufacturing Enterprise Systems O969060 Methodology Collaborative Research on Risk Management in Supply Chains Using Market Information University of University	Last Name Organization Number Grant Title Program Area Cluster Collaborative Research: Adaptive Maintenance Planning Based on Evolving Residual Life Distributions Enterprise Systems Manufacturing CAREER: Adaptive Operational Coordination Methodology for Uncertainty Reduction in Product Life Cycle Reliability and Service Logistics Enterprise Systems Manufacturing University of Tennessee, Knoxville 0954667 Exploration of a Statistically Accurate and Energy Efficient Accelerated Testing Manufacturing Enterprise Systems Manufacturing University of Texas, Austin 0905039 Enterprise Systems Manufacturing Enterprise Systems Manufacturing Enterprise Systems Manufacturing Enterprise Systems University of Wisconsin, Madison 0952952 Exploration of Advanced Enterprise Systems Manufacturing Manufa

			Grant	-			Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Proposal:			
				EArly-concept Grants for			
				Exploratory Research (EAGER): Design Principles			
				for Warehouses with			
		University of		Autonomous Vehicles	Manufacturing	Advanced	
Ananth	Krishnamurthy	Wisconsin, Madison	0946706	(WAVE)	Enterprise Systems	Manufacturing	В
Ananui	Krisiiiaiiiuitiiy	Wisconsin, Madison	0940700	A Statistical Framework for	Enterprise Systems	iviariulaciumig	Ь
				the Design and Analysis of			
		University of		Multi-Fidelity Computer	Manufacturing	Advanced	
Zhiguang	Qian	Wisconsin, Madison	0969616	Experiments	Enterprise Systems	Manufacturing	С
gg		Triboononi, maaioon	00000.0	CAREER: Multilevel Self-			
				Improving Variation			
				Modeling and Diagnosis for			
		University of		Complex Manufacturing	Manufacturing	Advanced	
Shiyu	Zhou	Wisconsin, Madison	0545600	Processes	Enterprise Systems	Manufacturing	D
				COALI/Callabarativa			
				GOALI/Collaborative Research: Understanding			
				and Controlling Variation			
				Propagation in Periodic			
		University of		Structures: From Geometry	Manufacturing	Advanced	
Shiyu	Zhou	Wisconsin, Madison	0856222	to Dynamic Response	Enterprise Systems	Manufacturing	A
Crity G	21100	Wilderich, Waarder	OOOOLLL	lo Byrianne reopenee	Zmorphoo Gyotomo	iviarialaotaring	
				Statistical Analysis and			
				Control of Ultrasonic-based			
		University of		Aluminum Nano-composite	Manufacturing	Advanced	
Shiyu	Zhou	Wisconsin, Madison	0926084	Fabrication Processes	Enterprise Systems	Manufacturing	В
		Waster Ballon La		EAGED A GARAGE			
		Virginia Polytechnic		EAGER: A Self-Healing	Mana da atruria a	A di con o o d	
laima	Comolio	Institute and State	0040055	Approach for Smart	Manufacturing	Advanced	
Jaime	Camelio	University	0918055	Assembly Systems	Enterprise Systems	Manufacturing	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		_		GOALI: Quality Mining - A			
				Novel Framework for Quality			
		Virginia Polytechnic		Monitoring and Control for			
		Institute and State		Data-rich Manufacturing	Manufacturing	Advanced	
Jaime	Camelio	University	0927323	Systems	Enterprise Systems	Manufacturing	D
				Novel Modeling and			
				Analytical Approaches for			
		Virginia Polytechnic		Primary Pharmaceutical			
		Institute and State		Manufacturing Scheduling	Manufacturing	Advanced	
Subhash	Sarin	University	0856270	and Related Problems	Enterprise Systems	Manufacturing	Α
				CAREER: Scaled-Up			
				Manufacturing of			
				Nanostructured Refractory			
				Ceramics for High-	Materials Processing	Advanced	
Olivia	Graeve	Alfred University	0913373	Temperature Applications	and Manufacturing	Manufacturing	В
				Collaborative Research:			
				Manufacturing Deformable			
				Energy Storage Devices			
		Arizona State		from Carbon Nanotube	Materials Processing	Advanced	
Hanqing	Jiang	University	0824787	Macro-Films	and Manufacturing	Manufacturing	С
				IDR/Collaborative Research:			
				Manufacturing Functional			
				Laminated Composite			
				Structures on Patterned			
		Arizona State		Uneven Three-Dimensional	Materials Processing	Advanced	
Hongyu	Yu	University	0928502	Surfaces	and Manufacturing	Manufacturing	D
				CAREER: Microstructure			
				and Processing of			
				Cylindrical Nanomaterial	Materials Processing	Advanced	
Virginia	Davis	Auburn University	0846629	Dispersions	and Manufacturing	Manufacturing	Α
				GOALI: Collaborative			
				Research: Processing of			
				Self-Assembled, Bottom-Up			
		Case Western		Polymeric Nanocomposite	Materials Processing	Advanced	
David	Schiraldi	Reserve University	0727484	Materials	and Manufacturing	Manufacturing	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Proposal:			
				GOALI: AHSS: Sheet			
				Formability and Springback			
		Colorado School of		of Advanced High Strength	Materials Processing	Advanced	
David	Matlock	Mines	0729114	Steels	and Manufacturing	Manufacturing	С
				High Throughput			
		Colorado School of		Manufacturing of	Materials Processing	Advanced	
Colin	Wolden	Mines	0826323	Nanolaminates	and Manufacturing	Manufacturing	D
				Nanoporous Metals			
				Incorporated into MEMS		1	
				and NEMS Devices for	Materials Processing	Advanced	
Jeffrey	Kysar	Columbia University	0826093	Enhanced Functionality	and Manufacturing	Manufacturing	A
				Collaborative Research:			
				Manipulating the Contacting			
				and Solidification of Molten	Materials Processing	Advanced	
Paul	Steen	Cornell University	0726813	Metal in Continuous Casting		Manufacturing	В
				GOALI: Process Design			
				Solutions for Textured			
				Polycrystalline Cubic and			
				Hexagonal Metals: Inverse			
				Solution Methodologies and	Materials Processing	Advanced	
Surya	Kalidindi	Drexel University	0654179	Experimental Validation	and Manufacturing	Manufacturing	С
				A Dual Functional Freeform			
				Microplasma Surface			
				Patterning and Biologics	Materials Processing	Advanced	
Wei	Sun	Drexel University	1030520	Printing	and Manufacturing	Manufacturing	D
		Georgia Tech					
		Research					
		Corporation,		SGER: Development of Thin			
		Georgia Institute of		Film Encapsulation Layers	Materials Processing	Advanced	
Samuel	Graham	Technology	0835484	For Organic Electronics	and Manufacturing	Manufacturing	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		Georgia Tech		Understanding the			
		Research		Relationship Between			
		Corporation,		Processing and			
		Georgia Institute of		Performance for Functional	Materials Processing	Advanced	
Tequila	Harris	Technology	0928093	Materials	and Manufacturing	Manufacturing	В
		Georgia Tech		CAREER: Understanding			
		Research		Mechanisms that Generate			
		Corporation,		Defects in the Fabrication of			
		Georgia Institute of		Functional Materials for	Materials Processing	Advanced	
Tequila	Harris	Technology	0953399	Energy Systems	and Manufacturing	Manufacturing	С
·		Georgia Tech					
		Research					
		Corporation,		Polymeric Fibers Processed			
		Georgia Institute of		Using Carbon Nanotube	Materials Processing	Advanced	
Satish	Kumar	Technology	0826221	Seed Crystals	and Manufacturing	Manufacturing	D
		Georgia Tech					
		Research					
		Corporation,					
		Georgia Institute of		Processing of Tensegrity-	Materials Processing	Advanced	
Meisha	Shofner	Technology	0800019	Inspired Nanocomposites	and Manufacturing	Manufacturing	Α
		Georgia Tech					
		Research					
		Corporation,		Precision Microprofile			
		Georgia Institute of		Extrusion with a Wall Slip	Materials Processing	Advanced	
Donggang	Yao	Technology	0826259	Condition	and Manufacturing	Manufacturing	В
				CAREER: Multi-functional			
				Materials for			
		Illinois Institute of		Electrochemical Energy	Materials Processing	Advanced	
Vijay	Ramani	Technology	0847030	Conversion	and Manufacturing	Manufacturing	С
				Novel Manufacturing of Bio-			
				inspired Metal Matrix			
		Iowa State		Composites by Semisolid	Materials Processing	Advanced	
Gap-Yong	Kim	University	1030120	Forming-Joining	and Manufacturing	Manufacturing	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				EAGER: Collaborative			
				Research: Dynamic Melt			
				Control for the Manufacture			
				of Enhanced Polymer-	Materials Processing	Advanced	
John	Coulter	Lehigh University	0961071	Based Biomedical Devices"	and Manufacturing	Manufacturing	Α
001111	Counter		0001011	GOALI: Intelligent Melt	and Manadadaning	Manadamig	
				Rotation for Enhanced			
				Injection Molding of Polymer			
				and Nanocomposite	Materials Processing	Advanced	
John	Coulter	Lehigh University	1031642	Products	and Manufacturing	Manufacturing	В
		·		Design and Fabrication of			
				Graded Materials with the			
				Laser Engineered Net	Materials Processing	Advanced	
John	DuPont	Lehigh University	0758622	Shaping Process	and Manufacturing	Manufacturing	С
				Thermoformed Composite			
				Structures with Knitted Fiber		Advanced	
Herman	Nied	Lehigh University	0856611	Reinforcement	and Manufacturing	Manufacturing	D
				Microfluidic Fabrication of			
		Michigan		Self-Healing Microfibers for			
		Technological		Composite Construction	Materials Processing	Advanced	
Desheng	Meng	University	0900582	Materials	and Manufacturing	Manufacturing	A
		Missouri University		(ALICO) Deceleration	Materials Barrella	A	
David	Man Alian	of Science and	0700000	(AHSS):Development of	Materials Processing	Advanced	
David	Van Aken	Technology	0726888	Nano-acicular Duplex Steels Collaborative Research:	and Manufacturing	Manufacturing	В
		National Institute of		Large-Scale Fabrication of Thin Polymer	Materials Processing	Advanced	
Cheol	Park		0928839	Nanocomposite Films	and Manufacturing	Manufacturing	С
Crieoi	raik	Aerospace	0920039	A Mechanistic	and Manufacturing	Manufacturing	
				Understanding of the			
				Process-Property			
				Relationships in an			
		North Carolina		Alternative Electrospinning	Materials Processing	Advanced	
Russell	Gorga	State University	0800237	Process	and Manufacturing	Manufacturing	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: Meso and Macro			
				Hydroforming of Complex			
		North Carolina		Shapes - Mechanics and	Materials Processing	Advanced	
Gracious	Ngaile	State University	0448885	Control	and Manufacturing	Manufacturing	Α
				Ultrasonic Assisted			
		North Carolina		Microextrusion and	Materials Processing	Advanced	
Gracious	Ngaile	State University	0900148	Microtube Hydroforming	and Manufacturing	Manufacturing	В
				Processing and			
				Characterization of			
				Functionally Graded			
		North Carolina		Coatings for Bio-Medical	Materials Processing	Advanced	
Afsaneh	Rabiei	State University	0600596	Implants	and Manufacturing	Manufacturing	С
				GOALI: Design,			
				Characterization and			
				Processing of Carbon			
				Nanofiber-Modified PVC as			
		North Carolina		Fabric Sensor Composites	Materials Processing	Advanced	
Tushar	Ghosh	State University	0700700	for E-Textiles	and Manufacturing	Manufacturing	D
		Northwestern		Incremental Forming at Multi	Materials Processing	Advanced	
Jian	Cao	University	0727843	Scales	and Manufacturing	Manufacturing	Α
				GOALI: Process Analysis			
		Northwestern		and Variation Control in	Materials Processing	Advanced	
Jian	Cao	University	0928001	Micro-stamping	and Manufacturing	Manufacturing	В
				Collaborative Research:			
				Dynamics and Stability of			
		Northwestern		Metallic Foams: Network	Materials Processing	Advanced	
Stephen	Davis	University	0826703	Modelling	and Manufacturing	Manufacturing	С
				Collaborative Research:			
		Oklahoma State		Atomic Plane Electrical	Materials Processing	Advanced	
Don	Lucca	University	0521989	Contacts	and Manufacturing	Manufacturing	D
				Laser Engineered Multilayer			
				Bioactive Coatings with			
				Hydroxyapatite Nano-	Materials Processing	Advanced	
Gary	Cheng	Purdue University	0802265	Powders	and Manufacturing	Manufacturing	Α
Cary	Tollering	i didde Olliveisity	0002203	I OMUCIO	and Manuacturing	iviariulaciullily	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: A Hybrid High			
				Strain Rate Forming			
				Process - Laser Dynamic			
				Forming for Micro- and	Materials Processing	Advanced	
Gary	Cheng	Purdue University	0809463	Meso- Scale 3D Shapes	and Manufacturing	Manufacturing	В
				IDR/Collaborative Research:			
				Manufacturing Functional			
				Laminated Composites			
				Structures on Patterned			
				Uneven Three-Dimensional	Materials Processing	Advanced	
Gary	Cheng	Purdue University	0928752	Surface	and Manufacturing	Manufacturing	С
				GOALI: The Origin of Slag-			
				Metal Interface Defects in	Materials Processing	Advanced	
Matthew John	Krane	Purdue University	0900624	Electroslag Remelting	and Manufacturing	Manufacturing	D
				Processing of Ternary High			
				Temperature Ceramic			
					Materials Processing	Advanced	
Lia	Stanciu	Purdue University	0758584	Properties	and Manufacturing	Manufacturing	А
				Preparation of Ultra-Low			
				Thermal Conductivity			
				Coatings Via Suspension			
				Plasma Spray Using a	Materials Processing	Advanced	
Rodney	Trice	Purdue University	0853297	Defect Clustering Approach	and Manufacturing	Manufacturing	В
rtourioy	11100	i diddo omvorony	0000201	Delect Clastoning , tppreach	and Manadataning	Manadamig	
				High-Strength			
				Nanostructured Alloys via	Materials Processing	Advanced	
Kevin	Trumble	Purdue University	0800481	Novel Machining Processes	and Manufacturing	Manufacturing	С
		San Diego State		Theory of Spark-Plasma	Materials Processing	Advanced	
Eugene	Olevsky	University	0758232	Sintering	and Manufacturing	Manufacturing	D
		San Diego State					
		University		Novel Current-Activated Tip-	Materials Processing	Advanced	
K.	Morsi	Foundation	0826532	based Sintering (CATS)	and Manufacturing	Manufacturing	Α

			Grant		_		Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
		State University of		Large-Scale Fabrication of			
		New York,		Thin Polymer	Materials Processing	Advanced	
Howard (Hao)	Wang	Binghamton	0928865	Nanocomposite Films	and Manufacturing	Manufacturing	В
				Collaborative Research:			
				Solid-Liquid Interactions			
		Texas Engineering			Materials Processing	Advanced	
Raymundo	Arroyave	Experiment Station	0758298	Phase Bonding	and Manufacturing	Manufacturing	С
				A Novel Fabrication Process			
		Texas Engineering		for Polysilicon Thin Film	Materials Processing	Advanced	
Yue	Kuo	Experiment Station	0968862	Solar Cells	and Manufacturing	Manufacturing	D
				CAREER: Research and			
		Texas Engineering		Education on Deformation of	ı	Advanced	
Jyhwen	Wang	Experiment Station	0448789	Coated Materials	and Manufacturing	Manufacturing	Α
		Texas Engineering		Hydroforming of Sandwich	Materials Processing	Advanced	
Jyhwen	Wang	Experiment Station	0825986	Panels	and Manufacturing	Manufacturing	В
				CAREER: Exploring Novel			
				Organic Thermoelectric			
				Composites with			
		Texas Tech			Materials Processing	Advanced	
Shiren	Wang	University	0953674	and High Figure of Merit	and Manufacturing	Manufacturing	С
				CAREER: Economically			
				Feasible Net Shape			
		The Ohio State		Manufacturing of Macro and		Advanced	
Allen	Yi	University	0547311	Micro Glass Optics	and Manufacturing	Manufacturing	D
				CAREER: A Fundamental			
				Investigation of the			
				Mechanics of Micro-			
				Transfer Printing Processes			
				for Manufacturing			
		University of		Multifunctional	Materials Processing	Advanced	
Kevin	Turner	Wisconsin, Madison	0845294	Microsystems	and Manufacturing	Manufacturing	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Theoretical and			
				Experimental Studies of			
				Novel Process for			
				Compounding of Carbon			
				Nanotubes and Nanofibers	Materials Processing	Advanced	
Avraam	Isayev	University of Akron	0654326	in Polymer Melts	and Manufacturing	Manufacturing	В
				GOALI: Collaborative			
				Research: Processing of			
				Self-assembled, Bottom-Up			
				Polymeric Nanocomposite	Materials Processing	Advanced	
Sadhan	Jana	University of Akron	0727231	Materials	and Manufacturing	Manufacturing	С
				CAREER: Electrospinning-			
				Enabled Bio-Inspired			
				Materials Research and	Materials Processing	Advanced	
Shing-Chung	Wong	University of Akron	0746703	Education	and Manufacturing	Manufacturing	D
J		,		A Novel Containerless	J	Ţ.	
		University of		Melting and Casting			
		Alabama,		Process for Structural Cast	Materials Processing	Advanced	
Mark	Weaver	Tuscaloosa	0856320	Magnesium Alloys	and Manufacturing	Manufacturing	Α
				Collaborative Research:	J	Ţ.	
				Making Nanostructured			
		University of Central		Ceramics from Micrometer-	Materials Processing	Advanced	
Linan	An	Florida	0800086	Sized Starting Powders	and Manufacturing	Manufacturing	В
				Near-net Shape Processing	J	Ţ.	
		University of Central		of Functionally Graded	Materials Processing	Advanced	
Olusegun	llegbusi	Florida	0854208	Structural Material	and Manufacturing	Manufacturing	С
<u> </u>	j				j		
				Development of Chromate-			
				Free Hybrid Nanocomposite			
		University of		Coatings for the Protection	Materials Processing	Advanced	
Jude	Iroh	Cincinnati	0758656	of Metals Against Corrosion	and Manufacturing	Manufacturing	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				GOALI/Collaborative			
				Research: Integrated			
				Sensing System for			
		University of		Stamping Monitoring and	Materials Processing	Advanced	
Robert	Gao	Connecticut	0936075	Control	and Manufacturing	Manufacturing	Α
				Collaborative Research:			
				Multivariate Remote			
				Process Sensing for			
		University of			Materials Processing	Advanced	
Robert	Gao	Connecticut	1000816	Injection Molding	and Manufacturing	Manufacturing	В
				Novel Processing of WC/Co			
				Hardmetals with			
				Simultaneous			
				Improvements in Hardness			
				and Toughness Derived			
		University of		From Nanocrystalline	Materials Processing	Advanced	
Leon	Shaw	Connecticut	0856122	Powder	and Manufacturing	Manufacturing	С
		University of			Materials Processing	Advanced	
Suresh	Advani	Delaware	0856399	Liquid Composite Molding	and Manufacturing	Manufacturing	D
				Tailoring Thermal			
		University of		Conductivity for 3-D Polymer	_	Advanced	
Dirk	Heider	Delaware	0970002	Composites	and Manufacturing	Manufacturing	Α
				Collaborative Research:			
				Manufacturing Deformable			
				Energy Storage Devices			
		University of		from Carbon Nanotube	Materials Processing	Advanced	
Bingqing	Wei	Delaware	0824790	Macro-Films	and Manufacturing	Manufacturing	В
				GOALI:Effects of Directional			
				Hardening and Texture			
				Evolution on Earing During	Materials Processing	Advanced	
Oana	Cazacu	University of Florida	0800197	Cup Drawing	and Manufacturing	Manufacturing	С
				GOALI: High-strain Rate			
				Deformation and Failure of	Materials Processing	Advanced	
Oana	Cazacu	University of Florida	1000303	Magnesium Alloys	and Manufacturing	Manufacturing	D

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
				GOALI: Epitaxial Growth of			
				Superconducting Thin Film			
		University of		Tapes with Prefabricated	Materials Processing	Advanced	
Venkat	Selvamanickam	Houston	1000162	Nanostructures	and Manufacturing	Manufacturing	Α
				Quantitative Model-Based			
				Photoelastic			
				Characterization of Wafer-			
		University of Illinois,		Bonding Stresses: a Tool for		Advanced	
Harley	Johnson	Urbana-Champaign	0700704	Industry and Education	and Manufacturing	Manufacturing	В
				Customized Load-Bearing			
				Scaffolds Using Multiscale			
		University of Illinois,		Porosity and Multi-Material	Materials Processing	Advanced	
Amy	Wagoner Johnson	Urbana-Champaign	0900184	Domains	and Manufacturing	Manufacturing	С
				Phase-Reversion Induced			
		University of		Nanometer-Sized Grains in	Materials Processing	Advanced	
Devesh	Misra	Louisiana, Lafayette	0757799	Materials	and Manufacturing	Manufacturing	D
		University of		, ,	Materials Processing	Advanced	
Albert	Shih	Michigan	0700617	and Additive Processes	and Manufacturing	Manufacturing	А
				Fracture Fabrication of			
		University of		Micro/Nano Patterned	Materials Processing	Advanced	
Shuichi	Takayama	Michigan	0700232	Microspheres	and Manufacturing	Manufacturing	В
				Phenomenological-Based			
				Constitutive Model and			
				Simulation of Fiber			
		University of		Interaction for Short Fiber	Materials Processing	Advanced	
Douglas	Smith	Missouri	0727399	Composite Processing	and Manufacturing	Manufacturing	С
				Synthesis of Crystalline			
				Carbon Nitride by			
		University of		Simultaneous Vibrational	Materials Processing	Advanced	
Yongfeng	Lu	Nebraska, Lincoln	0852729	and Electronic Excitations	and Manufacturing	Manufacturing	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Free-Standing All-			
				Nanoparticle Thin Fibers: A			
				Novel Building Block for			
		University of		Organic Photovoltaic	Materials Processing	Advanced	
Li	Tan	Nebraska, Lincoln	0900644	Applications	and Manufacturing	Manufacturing	Α
				CAREER: Development of			
				Hyperplastic and			
				Superplastic Microforming			
		University of New			Materials Processing	Advanced	
Brad	Kinsey	Hampshire	0644705	Educational Activities	and Manufacturing	Manufacturing	В
				GOALI: Exploitation of an			
				Experimentally			
				Characterized Stress Based			
		University of New		Failure Criterion to Advance	Materials Processing	Advanced	
Brad	Kinsey	Hampshire	0654124	Sheet Metal Forming	and Manufacturing	Manufacturing	С
				GOALI: Characterization,			
				Modeling, and Optimization			
		University of New		of Magnetic Pulse Welding	Materials Processing	Advanced	
Brad	Kinsey	Hampshire	0928319	Processes	and Manufacturing	Manufacturing	D
				GOALI: Fundamental			
		University of New		Studies and Modeling of	Materials Processing	Advanced	
Ioannis	Korkolis	Hampshire	1031169	Pulsed Tube Hydroforming	and Manufacturing	Manufacturing	А
				Collaborative Research:			
				Laser Manufacturing of			
				Three-Dimensional			
		University of North		Lightwave Circuits and Nano	_	Advanced	
Yuankun	Lin	Texas	0900458	Optical Devices	and Manufacturing	Manufacturing	В
				Collaborative Research:			
				Laser Manufacturing of			
				Three-Dimensional			
		University of		Lightwave Circuits and Nano		Advanced	
Peng	Chen	Pittsburgh	0900564	Optical Devices	and Manufacturing	Manufacturing	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Manufacturing the			
		University of		Microstructural Niche for	Materials Processing	Advanced	_
lan	Nettleship	Pittsburgh	0900254	Liver Tissue Bioreactors	and Manufacturing	Manufacturing	D
				Self-Assembling Ductile and			
				Tough Bulk Nanostructured			
		University of		Alloys of High Thermal-	Materials Processing	Advanced	
M. Ravi	Shankar	Pittsburgh	0826010	Stability	and Manufacturing	Manufacturing	Α
				GOALI: Fundamental			
				Material and Processing			
				Studies on Hot-Melt			
				Extrusion-A Novel			
		University of Rhode		Pharmaceutical	Materials Processing	Advanced	
Peng	Wang	Island	0927142	Manufacturing Process	and Manufacturing	Manufacturing	В
				LPst The state of			
				High Throughput			
				Manufacturing of Carbide			
		Liniona maito cat Cacath		Nanowire-Carbon Microfiber			
		University of South		Hybrid Structures and	Motoriala Dragosina	A division and	
Via a da a a	1:	Carolina Research	0000040	Polymer Composites from	Materials Processing	Advanced	
Xiaodong	Li	Foundation	0968843	Cotton Textiles	and Manufacturing	Manufacturing	С
		Liniversity of Cavith		High Yield Self Assembly of	Motoriala Dragosina	A division and	
Nathon	Crono	University of South	0007007	Functional Thermoelectric	Materials Processing	Advanced	
Nathan	Crane	Florida	0927637	Devices	and Manufacturing	Manufacturing	D
				Theoretical, Numerical and			
		Liniversity of Tayer		Experimental Studies of an	Motoriolo Droposi:	A division and	
Chana	1	University of Texas,	0044000	Intermediate-Layer	Materials Processing	Advanced	_
Cheng	Luo	Arlington	0811888	Lithography Approach	and Manufacturing	Manufacturing	А
		Liniversity of Tayer		Generation Of Sidewall	Motoriolo Droposi:	A division and	
Ob a series	1	University of Texas,	04000050	Patterns Using A Thermal	Materials Processing	Advanced	
Cheng	Luo	Arlington	01030659	Shape-Memory Polymer	and Manufacturing	Manufacturing	В

		Grant				Poster
Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
			Collaborative Research:			
			Massive Parallel Laser			
			Direct-Write of Sub-micron			
			•			
					Advanced	
Chen	Austin	0555275		and Manufacturing	Manufacturing	С
			,			
			,	•	Advanced	
Zhang	University of Toledo	1050362	of Mg Alloys	and Manufacturing	Manufacturing	D
			EAGER Floored activity			
			•	M () D		
	,					
Zangarı	Virginia	1029915		and Manufacturing	Manufacturing	A
	,					
Brush	Washington	0827101	<u> </u>	and Manufacturing	Manufacturing	В
		1000100				
Gong	Wisconsin, Madison	1032186	Polymers	and Manufacturing	Manufacturing	С
			GOALL: Enabling Eriction			
	Liniversity of		•	Motoriala Proposina	Advonced	
Dfofforkorn	,	0024070		•		
riellerkoffi	vviscorisin, iviadison	0024879	Shared Control	and Manufacturing	ivianuiacturing	D
	University of		Collaborative Research:			
	,			Materials Processing	Advanced	
Chen	,	0900509				Α
	Chen	Chen University of Texas, Austin Zhang University of Toledo University of Virginia University of Washington University of Wisconsin, Madison University of Wisconsin, Madison	Last Name University of Texas, Austin O555275 Zhang University of Toledo University of Virginia University of Washington University of Wisconsin, Madison O824879 University of Wisconsin,	Last Name Organization Number Grant Title Collaborative Research: Massive Parallel Laser Direct-Write of Sub-micron Dent Array for Quantum Leap of Fatigue Performance EAGER: Feasibility Study of Hybrid Friction-Stir Riveting of Mg Alloys EAGER: Electrochemical Underpotential Codeposition of Alloys: A Novel Manufacturing Technology University of Washington 0827101 Brush Washington 0827101 University of Wisconsin, Madison 0824879 Perference Gollaborative Research: Dynamics and Stability of Metallic Foams: Network Modelling CAREER: Sustainable and Eco-Friendly Biobased/Biodegradable Polymers GOALI: Enabling Friction Stir Welding in Unstructured Environments Through Process Identification and Shared Control University of Wisconsin, Madison 0824879 University of Wisconsin, Madison 0824879 Collaborative Research: Exploration of Graphene-	Last Name Organization Number Collaborative Research: Massive Parallel Laser Direct-Write of Sub-micron Dent Array for Quantum Leap of Fatigue Austin O555275 Performance Austin Direct-Write of Sub-micron Dent Array for Quantum Leap of Fatigue Austin EAGER: Feasibility Study of Hybrid Friction-Stir Riveting Of Mg Alloys Alloys Austerials Processing and Manufacturing EAGER: Electrochemical Underpotential Co- deposition of Alloys: A Novel Austin Dynamics and Stability of Materials Processing and Manufacturing Collaborative Research: Dynamics and Stability of Metallic Foams: Network Washington O827101 Modelling CAREER: Sustainable and Eco-Friendly Biobased/Biodegradable OUniversity of Wisconsin, Madison University of Wisconsin, Madison O824879 Process Identification and Shared Control Materials Processing and Manufacturing Materials Processing and Manufacturing Materials Processing and Manufacturing Materials Processing and Manufacturing COALI: Enabling Friction Stir Welding in Unstructured Environments Through Process Identification and Shared Control Materials Processing and Manufacturing Collaborative Research: Exploration of Graphene- Materials Processing and Manufacturing	Last Name Organization Number Grant Title Program Area Cluster Collaborative Research: Massive Parallel Laser Direct-Write of Sub-micron Dent Array for Quantum Leap of Fatigue Performance and Manufacturing and

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
Thot Nume	Lust Humo	Organization	Italiibei	Grant Title	i rogram Arca	Olusion	Огоар
		Virginia Polytechnic					
		Institute and State		Multi-Scale Study of	Materials Processing	Advanced	
Kathy	Lu	University	0969888	Nanoparticle Sintering	and Manufacturing	Manufacturing	В
				Real-Time Control for			
				Engineering Electrospun			
				Nanofiber Diameter			
				Distributions for Advanced		Advanced	
Michael	Gevelber	Boston University	0826106	Applications	NanoManufacturing	Manufacturing	С
				MRI: Acquisition of an			
				Environmental Scanning			
				Electron Microscope for			
				Visualization,			
				Characterization and			
		Carnegie Mellon		Manipulation of Nanoscale		Advanced	
Jack	Beuth	University	0722981	Systems	NanoManufacturing	Manufacturing	D
				The Mechanistic Study on N-			
				doped Carbon			
				Nanomaterials as Highly			
		Case Western		Efficient Cathode for Fuel		Advanced	
Liming	Dai	Reserve University	1000768	Cells	NanoManufacturing	Manufacturing	А
				Collaborative Research:			
				Forests of Magnetic			
	.			Nanofibers for Liquid		Advanced	
Sergiy	Minko	Clarkson University	0825832	Transport and Manipulation	NanoManufacturing	Manufacturing	В
				Collaborative Research:			
				Forests of Magnetic Nanofibers for Liquid		Advanced	
lgor	Luzinov	Clemson University	0825773		NanoManufacturing	Manufacturing	С
lgor	Luziiiov	Cleffison University	0020113	Transport and Manipulation	manowanulaciumng	liviariulacturing	J

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
1 II St Hame	Last Hame	Organization	Humber	Grant Title	1 Togram Arca	Olusiei	Group
				Multifunctional Hierarchical			
				Structures Via Holographic			
				Lithography and Block		Advanced	
Christopher	Li	Drexel University	0900162	Copolymer Self Assembly	NanoManufacturing	Manufacturing	D
·		,		GOALI/Collaborative			
				Research: Functionalized			
				Nanodiamond Reinforced			
				Biopolymers for			
				Microporous Surgical		Advanced	
Jack	Zhou	Drexel University	0927963	Fixation Devices	NanoManufacturing	Manufacturing	Α
				CAREER: Near Net Shape			
				Consolidation of Bulk			
		Florida International		Nanocomposites by Plasma		Advanced	
Arvind	Agarwal	University	0547178	Spray Forming	NanoManufacturing	Manufacturing	В
		Georgia Tech					
		Research		High Throughput Process			
		Corporation,		Screening and in-situ			
		Georgia Institute of		Characterization for		Advanced	
Samuel	Graham	Technology	0927736	Graphene Synthesis	NanoManufacturing	Manufacturing	С
				GOALI/Collaborative			
		Georgia Tech		Research: Functionalized			
		Research		Nanodiamond Reinforced			
		Corporation,		Biopolymers for			
		Georgia Institute of		Microporous Surgical		Advanced	
Donggang	Yao	Technology	0927697	Fixation Devices	NanoManufacturing	Manufacturing	D
				Collaborative Research:			
				Large-Scale			
				Nanomanufacturing of Well-			
				Positioned and Highly			
		Iowa State		Aligned DNA Wires from a		Advanced	
Zhiqun	Lin	University	0968656	Capillary Bridge	NanoManufacturing	Manufacturing	Α
		Louisiana Tech		Tubule Nanocontainers for		Advanced	
Yuri	Lvov	University	1029147	Corrosion Inhibitors	NanoManufacturing	Manufacturing	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		North Carolina				Advanced	
Thomas	Dow	State University	1000055	GOALI: Nanocoining	NanoManufacturing	Manufacturing	С
				Continuous Atmospheric			
				Pressure Atomic Layer			
				Deposition Process for			
•		North Carolina	400000	Controlled Nanoscale Thin	l	Advanced	
Gregory	Parsons	State University	1000382	Film Coatings	NanoManufacturing	Manufacturing	D
				Highly Organized Two and			
				Three Dimensional			
				Singlewalled Carbon			
				Nanotubes- Polymer Hybrid			
				Structures for Diverse			
		Northeastern		Flexible Devices and	l	Advanced	
Yung Joon	Jung	University	0927088	Systems	NanoManufacturing	Manufacturing	A
				CAREED, Coolette			
				CAREER: Scalable			
		N a uthorough a una		Fabrication of Nanodiamond		A -l	
Danie	11-	Northwestern	0040000	Patch Platforms for	Nana Manufasturia a	Advanced	
Dean	Но	University	0846323	Sustained Drug Release	NanoManufacturing	Manufacturing	В
				CAREER: A Hybrid			
				Approach for Flexible			
		Northwestern		Nanomanufacturing - Maskless Plasmonic Nano-		Advanced	
Chana	Sun		0055405		Non-Mon-Monte		С
Cheng	Sun	University	0955195	Lithography	NanoManufacturing	Manufacturing	
				Self-positioning			
				Microspheres for Direct-			
				write Nanolithography using		Advanced	
Craig	Arnold	Princeton University	0928803	Bessel Beam Optical Traps	NanoManufacturing	Manufacturing	D
Oraly	AITIOIU	i iniceton Oniversity	0320003	EAGER: Piezoelectric	rvanomanulaciumig	Manufacturing	+ -
						Advanced	
Michael	McAlpine	Princeton University	1036055		NanoManufacturing		Α
Michael	McAlpine	Princeton University	1036055	Nanoribbon Assemblies Printed onto Rubber for Highly Efficient, Flexible Energy Harvesting	NanoManufacturing	Advanced Manufacturing	

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				GOALI: Nanoparticle-			
				Enabled Printing of Large-			
	l			Area Electronic Hierarchical		Advanced	
Carol	Handwerker	Purdue University	0727960	Systems	NanoManufacturing	Manufacturing	В
				GOALI: Development of			
				Block Copolymer Self- assembly for Next			
				Generation Device		Advanced	
HS. Philip	Wong	Stanford University	1029452	Fabrication	NanoManufacturing	Manufacturing	С
110. 1 milp	vvorig	Starilord Offiversity	1023432	abrication	rvanoivianuiaciuning	Iviariaracturing	
				CAREER: Tailoring			
				Nanoparticle Microstructure			
		Texas Engineering		Using Stimuli-Responsive		Advanced	
Jaime	Grunlan	Experiment Station	0644055	Polymers	NanoManufacturing	Manufacturing	D
				Building Selective Pathways			
		Texas Engineering		for Electrons and Phonons		Advanced	
Choongho	Yu	Experiment Station	1030958	in Nanocomposites	NanoManufacturing	Manufacturing	А
				GOALI/Collaborative			
				Research: Fabrication of			
		The University of		Multifunctional Nanofoams from Polymer		Advanced	
Wei	Li	The University of Texas at Austin	0728287	Nanocomposites	NanoManufacturing	Manufacturing	В
vvei	LI	Texas at Austin	0120201	Nanocomposites	Ivanoivianuiaciunny	Iviariuracturing	Ь
				Collaborative Research:			
				Nanoscale Interdisciplinary			
				Team Research on			
				Understanding and			
				Overcoming Atomic-Level			
		University of		Wear in Tip-Based		Advanced	
Kevin	Turner	Wisconsin, Madison	0825000	Nanomanufacturing	NanoManufacturing	Manufacturing	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Fabrication, Property and			
				Function of the			
		University of		Nanostructured Surface			
		Alabama,		Barrier for Hydrogen		Advanced	
Yuebin	Guo	Tuscaloosa	0700468	Storage	NanoManufacturing	Manufacturing	D
				Evaporation Assisted			
		University of		Plasma Lithography for		Advanced	
Pak Kin	Wong	Arizona	0855890	Biomimetic Proteins	NanoManufacturing	Manufacturing	А
				Fundamental Understanding			
				of Nanoparticle-Based			
				Lubricants Tuned to			
		University of		Respond to Harsh Boundary		Advanced	
Douglas	Spearot	Arkansas	1000912	Lubrication Conditions	NanoManufacturing	Manufacturing	В
				Direct Synthesis, Assembly			
		University of		and Integration of Graphene		Advanced	
Liwei	Lin	California, Berkeley	1031749	via Micro CVD	NanoManufacturing	Manufacturing	С
				Graphene on Heterepitaxial			
				Silicon Carbide - Steps			
		University of		towards a Manufacturable		Advanced	
Roya	Maboudian	California, Berkeley	0825531	Process	NanoManufacturing	Manufacturing	D
				EAGER: Toward Scalable			
		11.		Manufacturing of			
	. .	University of		Nanostructured Organic	L	Advanced	
Samuel	Mao	California, Berkeley	1036076	Electronics	NanoManufacturing	Manufacturing	A
		University of		Off-Equilibrium Doping of		Advanced	
Junqiao	Wu	California, Berkeley	1000176	Semiconductor Nanowires	NanoManufacturing	Manufacturing	В
5 19100	1	Camerria, Derivoloy	.000170	NSEC: Center for Scalable		ararararar	
				and Integrated			
		University of		Nanomanufacturing		Advanced	
Xiang	Zhang	California, Berkeley	0751621	(SINAM)	NanoManufacturing	Manufacturing	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
M. Saif	Islam	University of California, Davis	0547679	CAREER: Massively Parallel and Manufacturable Self- Assembly Techniques for Interfacing and Integrating Nanowires in Devices and Circuits	NanoManufacturing	Advanced Manufacturing	D
Cengiz	Ozkan	University of California, Riverside	0800680	Highthroughput Assembly of Nanowires, Nanotubes and Nanodevices on Silicon Platforms for Massively Parallel Nanoelectronics	NanoManufacturing	Advanced Manufacturing	А
Sungho	Jin	University of California, San Diego	0856674	Collaborative Research: High-Throughput Nanomanufacturing of 10 NM Feature Patterns Using Ultra-Sharp Probe Arrays	NanoManufacturing	Advanced Manufacturing	В
Liangfang	Zhang	University of California, San Diego	1031239	Systematic Approaches to Scale-up of Biocompatible Drug Delivery Nanoparticles for High-Rate Production	NanoManufacturing	Advanced Manufacturing	С
Jihua (Jan)	Gou	University of Central Florida	0757302	Collaborative Research: Development of Multifunctional Nanocomposites with Engineered Carbon Nanopaper	NanoManufacturing	Advanced Manufacturing	D
Bingqing	Wei	University of Delaware	0926093	Collaborative Research: Heterogeneous Integration of Patterned 3-D Nanotube Supercapacitators on CMOS	NanoManufacturing	Advanced Manufacturing	A

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		University of					
		Georgia Research		Designing Catalytic		Advanced	
Yiping	Zhao	Foundation	0726770	Nanomotors	NanoManufacturing	Manufacturing	В
				Large Area, Rapid			
				Manufacturing of Virtually			
		University of		Any Nanopattern Using		Advanced	
Vincent	Donnelly	Houston	1030620	Nanopantography	NanoManufacturing	Manufacturing	С
				Surface-Functionalization of			
				Carbon Nanofiber Sheets by			
				Electrochemical Synthesis			
l		University of		for Large-scale Engineering		Advanced	
Li	Sun	Houston	0800886	Applications	NanoManufacturing	Manufacturing	D
				CAREER: Stability and			
				Material Properties of			
		University of Illinois,		Nanowires for Reliable		Advanced	
Carmen	Lilley	Chicago	0846814	Design of Nanoelectronics	NanoManufacturing	Manufacturing	A
				Chipscale Multifinger			
				Coordinated Manipulation			
		University of Illinois,		Methodology for		Advanced	
Laxman	Saggere	Chicago	0800741	Nanomanufacturing	NanoManufacturing	Manufacturing	В
				SGER: Fabrication and			
				Characterization of			
		University of Illinois,		Asymmetric Nanoscale		Advanced	
K. Jimmy	Hsia	Urbana-Champaign	0906361	Surface Structures	NanoManufacturing	Manufacturing	С
				A Configurable Platform for			
				Multicantilever High-			
				Throughput Nanoscale			
		University of Illinois,		Metrology and		Advanced	
Srinivasa	Salapaka	Urbana-Champaign	0800863	Manufacturing	NanoManufacturing	Manufacturing	D
				NIRT: GOALI - An Electron-			
				Beam Based Microscale			
		l		Nano-Manufacturing		.	
l. <u> </u>	l	University of		Platform with 1-nm	l	Advanced	
J. Todd	Hastings	Kentucky	0609241	Accuracy	NanoManufacturing	Manufacturing	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Tip Directed-Assembly of			
		University of		Nanoparticles via Surface-		Advanced	
J. Todd	Hastings	Kentucky	0800658	Plasmon Excitation	NanoManufacturing	Manufacturing	В
				Collaborative Research:			
				Deciphering the Reliability of			
		University of		Nano Ceramic Films on			
		Maryland, College		Polymer Substrates: A		Advanced	
Teng	Li	Park	0928278	Mechanistic Study	NanoManufacturing	Manufacturing	С
		University of					
		Massachusetts,		Industrial Safety of		Advanced	
Julie	Chen	Lowell	0738253	Nanoheaters	NanoManufacturing	Manufacturing	D
				l			
				Nanomanufacturing Process			
		University of		and Applications Based on	l	Advanced	
L. Jay	Guo	Michigan	1000425	Dynamic Nano-Inscribing	NanoManufacturing	Manufacturing	A
				Limiting Growth			
				Mechanisms and			
				Continuous Manufacturing			
		University of		of Aligned Carbon Nanotube		Advanced	
A. John	Hart	Michigan	0800213	Films	NanoManufacturing	Manufacturing	В
				Fabrication of Freeform			
				Hierarchical			
				Micro/Nanostructures by			
				Control of Capillary			
		University of		Interactions with Aligned		Advanced	
A. John	Hart	Michigan	0927634	Carbon Nanotubes	NanoManufacturing	Manufacturing	С
				COALL Non audice			
		l laisearaits of		GOALI: Nanowire			
		University of		Integration Process to Gain		A di composid	
Hoiko	lacaba	Minnesota, Twin	0604407	Control over Location,	NoneManufacturing	Advanced	
Heiko	Jacobs	Cities	0621137	Dimension, and Orientation	NanoManufacturing	Manufacturing	D
		University of		Gas Phase		A dy cop oo d	
Llaika	lasaka	Minnesota, Twin	0755005	Nanoxerographic	Nama Manufacturis s	Advanced	1
Heiko	Jacobs	Cities	0755995	Nanomaterial Integration	NanoManufacturing	Manufacturing	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: Fabrication of			
				Surface Modified			
	1	University of		Hydroxyapatite Nanofibers	l	Advanced	
Hao	Li	Missouri, Columbia	0846744	and their Composites	NanoManufacturing	Manufacturing	В
				Demulating Comment Through			
				Regulating Current Through			
				a Nanoparticle Necklace by			
				Microorganism: A			
		I Iniversity of		Transformative Technology for Biofuel Cells and		A alveorage al	
Davi	Corot	University of	0000004		Non-Mon-Monte	Advanced	
Ravi	Saraf	Nebraska, Lincoln	0926381	Biosensors	NanoManufacturing	Manufacturing	С
				CAREER: Boron-based One			
				dimensional Nanostructures			
		University of North		of Thermoelectric Energy		Advanced	
Torne	Xu	Carolina, Charlotte	0748090	Conversion	NanoManufacturing	Manufacturing	D
Terry	/u	Carolina, Chanolle	0746090	NIRT: 3D Hierarchical	Ivanowanuraciuming	ivialiulaciullig	
		University of North		Nanomanufacturing for		Advanced	
Yuankun	Lin	Texas	0609345	Active Photonics-on-chip	NanoManufacturing	Manufacturing	Α
Tualikuli	LIII	University of	0009343	Active Photonics-on-chip	Ivanowanuraciuming	Advanced	^
Peng	Chen	Pittsburgh	0826289	Nuclear Nano-Engineering	NanoManufacturing	Manufacturing	В
reng	Chen	Fillsburgii	0020209	Field-Assisted	Ivanowanuracturing	ivialiulaciullig	Ь В
				Manufacturing of			
				Multifunctional ZnO			
		University of		Nanowire-Polymer		Advanced	
Qing-Ming	Wang	Pittsburgh	0653764	Nanocomposites	NanoManufacturing	Manufacturing	С
Qirig-iviirig	vvarig	Fillsburgii	0053704	ivariocomposites	Ivanowanuraciuming	ivialiulaciullig	
				Synthesis of Necklace-			
		University of South		Shaped Boron and Boride			
		Carolina Research		Nanowires for Polymer		Advanced	
Xiaodong	Li	Foundation	0653651	Nanocomposite Applications	NanoManufacturing	Manufacturing	D
Alabaong		Touridation	0000001	Engineered Microfluidic	Transiviana actuming	Manadaming	
		University of		Mixing for Green		Advanced	
Noah	Malmstadt	Southern California	0926969		NanoManufacturing	Manufacturing	Α
ivali	เพลแบงเสนเ	Journal Camonia	0320303	prantocrystal Manufacturing	p varioiviariulacturiily	ivianuiaciunny	

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: Fundamental			
				Studies of Directed			
				Assembly Leading to			
		University of		Innovative Processing of			
		Tennessee,		Controlled Thin Film		Advanced	
Ramki	Kalyanaraman	Knoxville	0851597	Nanostructures	NanoManufacturing	Manufacturing	В
				Collaborative Research:			
				Novel 3D Nanocomposites			
				for Optical and Solar			
				Applications: A First			
				Principles Approach to Cost-			
		University of		Effective Design,			
		Tennessee,		Nanomanufacturing and		Advanced	
Ramki	Kalyanaraman	Knoxville	0855949	Characterization.	NanoManufacturing	Manufacturing	С
				Development Of A			
				Nanopunching Lithography			
				Method For Generating			
				Sidewall Templates And			
		University of Texas,		Polymer-Based		Advanced	
Cheng	Luo	Arlington	0900595	Nanodevices	NanoManufacturing	Manufacturing	D
		University of Texas,		Surface Plasmon-Assisted		Advanced	
John	Howell	Austin	0600104	Nanolithography	NanoManufacturing	Manufacturing	Α
				High Throughput			
				Nanoimprint Manufacturing			
				of Shape-Specific, Stimuli-			
				Responsive Polymeric			
		University of Texas,		Nanocarriers for Drug and		Advanced	
Li	Shi	Austin	0900715	Imaging Agent Delivery	NanoManufacturing	Manufacturing	В
				Plasmonic Nanofocusing			
				Scanning Probe for			
		University of Texas,		Controlled		Advanced	
Xiaojing (John)	Zhang	Austin	0826366	Nanomanufacturing	NanoManufacturing	Manufacturing	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Heterogeneous Integration			
				of Patterned 3-D Nanotube			
		University of Texas,		Supercapacitators on		Advanced	
Dongsheng	Ма	Dallas	0925678	CMOS	NanoManufacturing	Manufacturing	D
				Fundamental Studies of			
				Electrowetting on Tailored			
				Surfaces with Application to			
		University of		High Performance Capillary		Advanced	
Giovanni	Zangari	Virginia	1030858	Force Actuators	NanoManufacturing	Manufacturing	Α
				Solution-Based Fabrication			
		11.226		of Coherent Nanocomposite		A	
0	0	University of	4000040	Film Electrodes for Li-Ion	Nan Mar Care da	Advanced	
Guozhong	Cao	Washington	1030048	Batteries	NanoManufacturing	Manufacturing	В
				Self-Controlled Surface-			
				Selective Atomic Layer			
		I hair ramaite cat		Deposition for Integrated Vertical Nanowire Field		A -l	
Viidona	Mong	University of	0000045		Non a Manarifa atrivina	Advanced	
Xudong	Wang	Wisconsin, Madison	0926245	Effect Transistors	NanoManufacturing	Manufacturing	С
				CAREER: Electroplate and Lift Lithography: Easily			
		University of		Making Patterned			
		Wisconsin, Stevens		Nanowires Using Non-		Advanced	
Michael	Zach	Point	0954656	Sacrificial Templates	NanoManufacturing	Manufacturing	D
Michael	Zacii	FOIIIL	0934030	Bimodal Nanofiber Mats	Ivanoivianulaciuming	Manufacturing	
				with Controlled			
				Microstructures for Size-			
				Sensitive Nanoparticle			
		Virginia		Filtration/Separation and			
		Commonwealth		Superhydrophobic Drag		Advanced	
Hooman	Vahedi Tafreshi	University	1029924	Reduction	NanoManufacturing	Manufacturing	A
nooman	vaneui raireshi	University	1029924	Reduction	manowanulaciumng	IManulacturing	А

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
I II St IName	Last Name	Organization	Nullibel	Grant Title	Frogram Area	Cluster	Group
		Virginia Polytechnic					
		Institute and State		Template-Assisted		Advanced	
Kathy	Lu	University	0824741	Nanoparticle Processing	NanoManufacturing	Manufacturing	В
		,		GOALI/Collaborative		Ĭ	
				Research: Fabrication of			
				Ultra-light Multifunctional			
		Washington State		Nanofoams from Polymer		Advanced	
Weihong (Katie)	Zhong	University	0758251	Nanocomposites	NanoManufacturing	Manufacturing	С
		j		Collaborative Research:	Ĭ		
				Deciphering the Reliability of			
				Nano Ceramic Films on			
		William Marsh Rice		Polymer Substrates: A		Advanced	
Jun	Lou	University	0928297	Mechanistic Study	NanoManufacturing	Manufacturing	D
					Nanoscale		
		Johns Hopkins		NIRT: Interfacial Forces in	Interdisciplinary	Advanced	
Mark	Robbins	University	0709187	Active Nanodevices	Research Team	Manufacturing	Α
				NIRT- GOALI: Solution-			
				Based Dispersion, Sorting,	Nanoscale		
				and Placement of Carbon	Interdisciplinary	Advanced	
Anand	Jagota	Lehigh University	0609050	Nanotubes	Research Team	Manufacturing	В
					Nanoscale		
				of a Multiscale Hierarchical	Interdisciplinary	Advanced	
Xianfan	Xu	Purdue University	0707817	Nanomanufacturing Tool	Research Team	Manufacturing	С
				NIRT: Reversible Frictional			
		University of		Adhesion of Natural and Bio-			
		California, Santa		Inspired Multi-Scale	Interdisciplinary	Advanced	
Kimberly	Turner	Barbara	0708367	Structures	Research Team	Manufacturing	D
				NIRT: Active			
				Electromechanical	l		
				Nanostructures Without the	Nanoscale	1	
<u>_</u> .		University of		Use of Piezoelectric	Interdisciplinary	Advanced	
Pradeep	Sharma	Houston	0708096	Constituents	Research Team	Manufacturing	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				NIRT: Precise Building			
				Blocks for Hierarchical	l		
		University of		Nanomanufacturing of	Nanoscale		
		Minnesota, Twin		Membranes with Molecular	Interdisciplinary	Advanced	_
Michael	Tsapatsis	Cities	0707610	Resolution	Research Team	Manufacturing	В
				NIRT: Nanometrology for	Nanoscale		
		University of North		Nanoscale Science and	Interdisciplinary	Advanced	
Robert	Hocken	Carolina, Charlotte	0506898	Engineering	Research Team	Manufacturing	С
				NIRT: Composition Graded,			
				Epitaxial Oxide	Nanoscale		
		University of Texas,		Nanostructures: Fabrication	Interdisciplinary	Advanced	
Efstathios	Meletis	Arlington	0709293	and Properties	Research Team	Manufacturing	D
					Nanoscale		
		University of		NIRT: Protein-aided	Interdisciplinary	Advanced	
Daniel	Schwartz	Washington	0709131	Nanomanufacturing	Research Team	Manufacturing	Α
				NSEC: Center for Nano-			
				Chemical-Electrical-	Nanoscale Science		
		University of Illinois,		Mechanical Manufacturing	and Engineering	Advanced	
John	Rogers	Urbana-Champaign	0749028	Systems\Nano-CEMMS	Center	Manufacturing	В
		University of			Nanoscale Science		
		Massachusetts,		NSEC: Center for	and Engineering	Advanced	
James	Watkins	Amherst	0531171	Hierarchical Manufacturing	Center	Manufacturing	С
				Microbially-Induced		Mechanics and	
		Arizona State		Cementation of Sands by	Geomechanics and	Engineering	
Edward	Kavazanjian	University	0856801	Denitrification	Geomaterials	Materials	Α
				Experimental Study of		Mechanics and	
				Stress Rotation Effects in	Geomechanics and	Engineering	
Poul	Lade	Catholic University	0757827	Cross-Anisotropic Sand	Geomaterials	Materials	В
				·		Mechanics and	
		Johns Hopkins		Mechanisms Controlling	Geomechanics and	Engineering	
Annalingam	Anandarajah	University	0758268	Swelling of Clays	Geomaterials	Materials	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				A Fundamental Study on			
				Suction and Hysteresis of		Mechanics and	
		Johns Hopkins		Soil-Water Characteristic	Geomechanics and	Engineering	
Annalingam	Anandarajah	University	1030570	Relation of Cohesive Soil	Geomaterials	Materials	D
				Engineering Soils with		Mechanics and	
				Thermally Controlled	Geomechanics and	Engineering	
Sibel	Pamukcu	Lehigh University	0900588	Wettability on Command	Geomaterials	Materials	Α
				MRI: Acquisition of State-of-		Mechanics and	
				the-Art Soil-Structure	Geomechanics and	Engineering	
Muhannad	Suleiman	Lehigh University	0820640	Interaction Facility	Geomaterials	Materials	В
				Collaborative Research:			
				Extracting 3-D Fracture			
				Orientations for Rock			
				Failure Analysis by			
		Missouri University		Combining Optical Imaging		Mechanics and	
		of Science and		and LIDAR Scanning	Geomechanics and	Engineering	
Norbert	Maerz	Technology	0856420	Technologies	Geomaterials	Materials	С
				Collaborative Research:			
				DUSEL CO2 - A Deep			
				Underground Laboratory for			
				Geologic CO2			
				Sequestration Studies:		Mechanics and	
				Design of the Facility and	Geomechanics and	Engineering	
Catherine	Peters	Princeton University	0919140	Experiments	Geomaterials	Materials	D
				·			
				Mechanical and			
				Geophysical		Mechanics and	
				Characterization of Damage	Geomechanics and	Engineering	
Antonio	Bobet	Purdue University	0856296	in Anisotropic Rock	Geomaterials	Materials	Α
				Towards an Integrated			
				Computational-Experimental			
				Laboratory Testing			
				Framework for Soil Behavior		Mechanics and	
		University of Illinois,		Characterization and	Geomechanics and	Engineering	
Youssef	Hashash	Urbana-Champaign	0856322	Modeling	Geomaterials	Materials	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				RAPID: Geotechnical-driven			
				Damage Patterns and		Mechanics and	
		University of Illinois,		Liquefaction in the January	Geomechanics and	Engineering	
Scott	Olson	Urbana-Champaign	1034828	2010 Haiti Earthquake	Geomaterials	Materials	С
		University of		Deformation and Failure		Mechanics and	
		Massachusetts,		Behavior of Soils under	Geomechanics and	Engineering	
Ching	Chang	Amherst	0928433	Erosion	Geomaterials	Materials	D
<u> </u>				Experimental and			
				Theoretical Investigation of			
		University of		the Growth of a Fluid-Driven		Mechanics and	
		Minnesota, Twin		Fracture near a Free-	Geomechanics and	Engineering	
Emmanuel	Detournay	Cities	0600058	Surface	Geomaterials	Materials	Α
				Collaborative Research:			
				Extracting 3-D Fracture			
				Orientations for Rock			
				Failure Analysis by			
				Combining Optical Imaging		Mechanics and	
		University of		and LIDAR Scanning	Geomechanics and	Engineering	
Ye	Duan	Missouri, Columbia	0856206	Technologies	Geomaterials	Materials	В
				Collaborative Research:			
				Imaging and Modeling the			
				Microstructure of			
				Unsaturated Soils for		Mechanics and	
		University of		Improved Prediction of	Geomechanics and	Engineering	
William	Likos	Missouri, Columbia	0856276	Macroscale Response	Geomaterials	Materials	С
				Unique Relationship			
				Between Small Strain Shear			
				Modulus and Effective		Mechanics and	
		University of Rhode		Stresses at Failure for	Geomechanics and	Engineering	
Christopher	Baxter	Island	1031135	Dilative Soils	Geomaterials	Materials	D
				CAREER: The Kinematics		Mechanics and	
		University of		of Localized Failure and	Geomechanics and	Engineering	
Amy	Rechenmacher	Southern California	0748284	Flow in Granular Materials	Geomaterials	Materials	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Cyclic Stress-Strain		Mechanics and	
				Characteristics of EPS	Geomechanics and	Engineering	
Aurelian	Trandafir	University of Utah	0926042	GeoFoam	Geomaterials	Materials	В
				Collaborative Research:			
				Fiber-Optic Strain			
				Monitoring of Rock Masses		Mechanics and	
		University of		in Large Underground	Geomechanics and	Engineering	
Herbert	Wang	Wisconsin, Madison	0900351	Facilities	Geomaterials	Materials	С
				Applying Insights from			
				Biosilicification Processes to		L	
		Virginia Polytechnic		Ground Treatment: A Bio-		Mechanics and	
		Institute and State		Inspired Approach for	Geomechanics and	Engineering	
Joseph	Dove	University	0726488	Geoengineering	Geomaterials	Materials	D
				Collaborative Research:			
				Imaging and Modeling the			
				Microstructure of		L	
				Unsaturated Soils for		Mechanics and	
		Washington State		Improved Prediction of	Geomechanics and	Engineering	
Balasingam	Muhunthan	University	0856793	Macroscale Response	Geomaterials	Materials	A
				CAREER: Multiscale Design			
				of the Coupled		Mechanics and	
				· · · · · · · · · · · · · · · · · · ·	Materials and Surface	Engineering	
Harold	Park	Boston University	0750395	, ·	Engineering	Materials	В
				Mechanical Behavior of			
				Amorphous Plasma-			
				Enhanced Chemical Vapor			
				Deposited Silicon Oxide		Mechanics and	
				Films for MEMS	Materials and Surface	Engineering	
Xin	Zhang	Boston University	0700688	Applications	Engineering	Materials	С
				COALL Defect Detection			
				GOALI: Defect Detection		Machaniae ex-	
		Delaham Varra		Microscopy: Microstructure	Motorialo or d Orrefe	Mechanics and	
David	F. Il	Brigham Young	0000000	J ,	Materials and Surface	Engineering	
David	Fullwood	University	0928923	Wrought Magnesium Alloys	Engineering	Materials	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Brian	Sheldon	Brown University	1000822	GOALI: Stress Evolution and Related Phenomena in Composite Electrodes for Li Ion Batteries	Materials and Surface Engineering	Mechanics and Engineering Materials	A
Vivek	Shenoy	Brown University	0825771	Collaborative Research: Structure and Morphology of Graphene Sheets for Carbon-Based Nanoelectronics		Mechanics and Engineering Materials	В
Vivek	Shenoy	Brown University	0926178		Materials and Surface Engineering	Mechanics and Engineering Materials	С
Gary	Michal	Case Western Reserve University	0727583	AHSS Through Paraequilibrium Carbon Partitioning and Austenite Stabilization	Materials and Surface Engineering	Mechanics and Engineering Materials	D
Konstantin	Kornev	Clemson University	0826067	Design and Surface Engineering of Nanofiber- based Probes	Materials and Surface Engineering	Mechanics and Engineering Materials	A
Cristian	Ciobanu	Colorado School of Mines	0825592	Collaborative Research: Structure and Morphology of Graphene Sheets for Carbon-Based Nanoelectronics	Materials and Surface Engineering	Mechanics and Engineering Materials	В
Nicholas	Zabaras	Cornell University	0757824	On the Design of Polycrystalline Materials with an Integration of Multiscale Modeling and Statistical Learning		Mechanics and Engineering Materials	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				A Microstructural Study of		Mechanics and	
				Wear Mechanisms in	Materials and Surface	Engineering	
lan	Baker	Dartmouth College	0651642	Nanocrystalline Metals	Engineering	Materials	D
				AHSS: Development of			
				Novel Finite Element			
				Simulation Tools that			
				Implement Crystal Plasticity			
				Constitutive Theories Using		Mechanics and	
				an Efficient Spectral	Materials and Surface	Engineering	
Surya	Kalidindi	Drexel University	0727931	Framework	Engineering	Materials	Α
				GOALI: Mechanically			
				Robust Structural Color		Mechanics and	
				System Based on	Materials and Surface	Engineering	
Caroline	Schauer	Drexel University	0804543	Biomimetic Principles	Engineering	Materials	В
				Surace Engineered Carbon		Mechanics and	
		Florida International		Electrodes for Biosensor	Materials and Surface	Engineering	
Chunlei	Wang	University	0800525	Arrays	Engineering	Materials	С
		Georgia Tech		Fundamental Understanding			
		Research		of Enhanced Thermal			
		Corporation,		Transport at Aligned Carbon		Mechanics and	
		Georgia Institute of		Nanotube/Substrate	Materials and Surface	Engineering	
C.	Wong	Technology	0800849	Interfaces	Engineering	Materials	D
				Modeling the Formation of		Mechanics and	
		Iowa State		Self-Ordered Nanoporous	Materials and Surface	Engineering	
Kurt	Hebert	University	1000748	Anodic Oxides	Engineering	Materials	Α
						Mechanics and	
		Iowa State		CAREER: Multifunctional	Materials and Surface	Engineering	
Michael	Kessler	University	0954314	Biorenewable Polymers	Engineering	Materials	В
				Extended Time Scale		Mechanics and	
		Johns Hopkins		Simulation Studies of	Materials and Surface	Engineering	
Michael	Falk	University	0926111	Nanoscale Friction	Engineering	Materials	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: Engineering		Mechanics and	
		Johns Hopkins		Surface Interactions to	Materials and Surface	Engineering	
Joelle	Frechette	University	0748094	Modulate a Confined Fluid	Engineering	Materials	D
				RUI/Collaborative Research:			
				The Molecular Origins of			
				Friction - A Study Across			
				Velocity Regimes of			
				Phosphonate Monolayers on		Mechanics and	
				Alternative MEMS-Type	Materials and Surface	Engineering	
Erin	Flater	Luther College	0758323	Surfaces	Engineering	Materials	Α
				A New Perspective on			
				Energy Harvesting		L	
		Michigan		Nanowires: The Role of		Mechanics and	
_	0	Technological	0000010	Chemistry and Structure of	Materials and Surface	Engineering	
Reza	Shahbazian-Yassar	University	0926819	Nanowires	Engineering	Materials	В
				lara va caracta di la avera si a			
				Impregnated Inorganic		Mechanics and	
		Mississippi State		Nanoparticles at the Natrual Fiber-Thermoplastic	Materials and Surface		
Sheldon	Shi	Mississippi State	0928641	•		Engineering Materials	
Sheidon	SIII	University	0920041	Polymer Interface	Engineering	ivialeriais	С
				Fatigue Behavior of			
				Functionally Graded		Mechanics and	
				Ceramics+ Synthesis,	Materials and Surface	Engineering	
Yu	Zhang	New York University	0758530	Experiments, and Analysis	Engineering	Materials	D
	Litarig	Trow Fork Officially	0.0000	Chemical Vapor Deposition	Linginiooning	Materiale	
				Fabrication of Nano- and		Mechanics and	
		Northeastern		Micro-scale Biomimetic	Materials and Surface	Engineering	
Rebecca	Carrier	University	0727984	Surfaces	Engineering	Materials	Α
		j		Crack Propagation in Self-	<u> </u>	Mechanics and	
		Northwestern		Healing Polymer Gels with	Materials and Surface	Engineering	
Kenneth	Shull	University	0900586	High Toughness	Engineering	Materials	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		Ohio State		Selective Aqueous-phase		Mechanics and	
				Adhesion by Molecularly	Materials and Surface	Engineering	
Dameia	Dana	University Research				•	
Dennis	Bong	Foundation	0927778	Engineered Materials	Engineering	Materials	С
				Integrated Experimental-			
				Computational Modeling of			
		Ohio State		Deformation and Fatigue in		Mechanics and	
		University Research		Advanced Structural	Materials and Surface	Engineering	
Somnath	Ghosh	Foundation	0800587	Materials	Engineering	Materials	D
		Polytechnic		Development of a Novel		Mechanics and	
		University of New		Functionally Gradient	Materials and Surface	Engineering	
Nikhil	Gupta	York	0726723	Composite Material	Engineering	Materials	Α
				Collaborative Research:			
				Mechanical and Electrical			
				Reliability Maximization of			
				Rechargeable Lithium-Ion		Mechanics and	
				Batteries through	Materials and Surface	Engineering	
R. Edwin	Garcia	Purdue University	0856491	Microstructure Design	Engineering	Materials	В
		1		3	3 - 3	Mechanics and	
				Microstructural Evolution of	Materials and Surface	Engineering	
Marisol	Koslowski	Purdue University	0825994	Molecular Crystals	Engineering	Materials	С
		- and a conveniency		Collaborative Research:			
				Dissipation in Atomic-Scale			
				Friction - A Coordinated		Mechanics and	
				Experimental and Modeling	Materials and Surface	Engineering	
Ashlie	Martini	Purdue University	0758604	Study	Engineering	Materials	D
ASTILLE	Iviaitiiii	Fuldue Offiversity	0730004	Design and Manufacture of	Linginicening	iviateriais	+ -
				- C			
				Ultra-High Temperature		Maalaasiaa asal	
				Ceramics with Oriented	Matariala and Our	Mechanics and	
D I	T :	D . 1 . 11.2	0700004	Strengthening and	Materials and Surface	Engineering	1
Rodney	Trice	Purdue University	0726304	Toughening Phases	Engineering	Materials	A
						Mechanics and	
		Rensselaer		Self-Lubricating Nanoporous		Engineering	
Daniel	Gall	Polytechnic Institute	0653843	Hard Coatings	Engineering	Materials	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Fundamental Study of Photo			
				Thermo-Mechanical			
				Actuation in Carbon		Mechanics and	
		Rensselaer		Nanotubes and their	Materials and Surface	Engineering	
Nikhil	Koratkar	Polytechnic Institute	0653589	Composites	Engineering	Materials	С
				Quantitative Understanding		NA11	
		Danasalaas		of Atomic Wear Using	Maria dala and Dours	Mechanics and	
V	Oh:	Rensselaer	4004400	Accelerated Molecular	Materials and Surface	Engineering	
Yunfeng	Shi	Polytechnic Institute	1031408	Simulation	Engineering	Materials	D
		State University of		Probing Nanoscale		Mechanics and	
		New York,		Oxidation Mechanism of	Materials and Surface	Engineering	
Guangwen	Zhou	Binghamton	0825737		Engineering	Materials	Α
Guarigweri	Zilou	Dirigilarition	0020101	Wickels direct Applied Circss	Linginiconing	Materials	
				CAREER: Exploiting the			
				Density Fluctuating Regime			
		State University of		in Supercritical Fluids for		Mechanics and	
		New York, Stony		Environmentally Green	Materials and Surface	Engineering	
Tadanori	Koga	Brook	0846267	Polymer Surface Processing	Engineering	Materials	В
				CAREER: Engineering	<u> </u>		
				Materials with Biological		Mechanics and	
				Activity and Structural	Materials and Surface	Engineering	
Yan-Yeung	Luk	Syracuse University	0845686		Engineering	Materials	С
				Collaborative Research:			
				Investigating Bacteria-			
				Surface Interactions by		Mechanics and	
				Surface Engineering and	Materials and Surface	Engineering	
Dacheng	Ren	Syracuse University	0826288	Mathematical Modeling	Engineering	Materials	D
						.	
				CAREER: Ab Initio	Marked all and Confe	Mechanics and	
Daymay	A	Texas Engineering	0050004	Calculations for Design of	Materials and Surface	Engineering	
Raymundo	Arroyave	Experiment Station	0953984	High Temperature Materials	∟ngineering	Materials	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Advanced High Strength			
				Multiphase Steels through a		Mechanics and	
		Texas Engineering		Combined Alloy-	Materials and Surface	Engineering	
Ibrahim	Karaman	Experiment Station	0900187	Microstructural Design	Engineering	Materials	В
				CAREER: Radiation		Mechanics and	
		Texas Engineering		Response and Stability of	Materials and Surface	Engineering	
Lin	Shao	Experiment Station	0846835	Nanostructured Materials	Engineering	Materials	С
				Collaborative Research:			
				Measurements of Yield			
				Strength and Local			
				Viscoelastic Properties		Mechanics and	
		Texas Tech		Using Nanoparticle	Materials and Surface	Engineering	
Gregory	McKenna	University	0928453	Embedment Methods	Engineering	Materials	D
				Matrix Confinement Effects			
				in Composites and			
				Nanocomposites:		Mechanics and	
		Texas Tech		Experiments and Molecular	Materials and Surface	Engineering	
Sindee	Simon	University	0826437	Modeling	Engineering	Materials	Α
				GOALI: Electrode Interface		Mechanics and	
		The Ohio State		Stresses, Degradation, and	Materials and Surface	Engineering	
Mark	Walter	University	0825558	Failure	Engineering	Materials	В
				Integrated Studies of			
				Interfaces in		Mechanics and	
				Nanocomposites and	Materials and Surface	Engineering	
Zhenhai	Xia	University of Akron	0825990	Nanoimprinting	Engineering	Materials	С
				CAREER: Computational			
				Modeling of Microstructure		Mechanics and	
		University of		Evolution during Vapor	Materials and Surface	Engineering	
Douglas	Spearot	Arkansas	0954505	Deposition	Engineering	Materials	D

First Name	Loot Name	Organization	Grant	Grant Title	Dragram Area	Chroter	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Engineering the Morphology			
		University of		and Microstructure of Group		Mechanics and	
		California, Los		III-V Compound	Materials and Surface	Engineering	
Suneel	Kodambaka	Angeles	0926412		Engineering	Materials	Α
	· · · · · · · · · · · · · · · · · · ·	790.00	0020112			Mechanics and	1
		University of		Instabilities in Patterned	Materials and Surface	Engineering	
Yifu	Ding	Colorado, Boulder	1031785	Polymer Surfaces	Engineering	Materials	В
						Mechanics and	
		University of		A New Characteristic Length	Materials and Surface	Engineering	
Hanchen	Huang	Connecticut	0856426	Scale on Surfaces	Engineering	Materials	С
				Towards Multiscale			
				Mechanical Design of		Mechanics and	
				Hierarchical Cellular	Materials and Surface	Engineering	
Youping	Chen	University of Florida	0824688	Materials	Engineering	Materials	D
				Surface Functionalization by		Mechanics and	
	Yamaguchi			Magnetic Field Assisted	Materials and Surface	Engineering	
Hitomi	Greenslet	University of Florida	0855381	Finishing	Engineering	Materials	Α
				The Origins of the Dead-			
				Layer in High Energy		Mechanics and	
		University of		Storage Density	Materials and Surface	Engineering	
Pradeep	Sharma	Houston	0969086	Nanocapacitors	Engineering	Materials	В
				CAREER: Nanoscale			
				Confinement in Polymers:			
				Integrated Research and		Mechanics and	
l		University of Illinois,	0=40.00	Education in Nanoscale	Materials and Surface	Engineering	
Ioannis	Chasiotis	Urbana-Champaign	0748120	Experimental Mechanics	Engineering	Materials	С
				Bridging Time Scales with a		L.	
				Unit Process Approach for		Mechanics and	
l	1	University of Illinois,	0005450	Modeling Ion Interactions	Materials and Surface	Engineering	
Harley	Johnson	Urbana-Champaign	0825173	with Materials	Engineering	Materials	D

F1 (N)			Grant	0 4 7 14			Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		Link consists of Illinois		GOALI: Dynamic Adhesive	Matariala and Conface	Mechanics and	
N1	0.44	University of Illinois,	0700740	Failure of Patterned Thin	Materials and Surface	Engineering	
Nancy	Sottos	Urbana-Champaign	0726742	Films	Engineering	Materials	A
				CAREER: First-Principles			
				Modeling of Titanium-			
				Oxygen-Solute Intreaction:		Mechanics and	
		Liniversity of Illinois		Materials Design for	Materials and Surface		
Dallas	Trinkle	University of Illinois,	0046604			Engineering	
Dallas	Trinkie	Urbana-Champaign	0846624	Improved Energy Efficiency CAREER: Engineering Meta	Engineering	Materials	В
				magnetic Shape Memory]		
				Alloys as the Future			
				Generation of High		Mechanics and	
		University of		Performance Magnetic	Materials and Surface	Engineering	
Haluk	Karaca	•	0954541	Actuators		Materials	С
пашк	Naiaca	Kentucky	0934341	GOALI: Understanding the	Engineering	Ivialeriais	
				Microstructural Evolution			
				and High-Temperature			
		University of		Behavior of Osmium-		Mechanics and	
		Kentucky Research		Ruthenium Coatings for	Materials and Surface	Engineering	
Thomas	Balk	Foundation	0928845	Dispenser Cathodes	Engineering	Materials	D
THOMas	Daik	1 Ouridation	0920043	GOALI: Understanding and	Linginicening	ivialeriais	
				Controlling Coupled			
		University of		Mechanical and Chemical		Mechanics and	
		Kentucky Research		Degradation Phenomena	Materials and Surface	Engineering	
Yang-Tse	Cheng	Foundation	1000726	within Insertion Electrodes	Engineering	Materials	A
rang roc	Officing	1 oundation	1000120	Influence of thin-fluid-film	Linginiconing	Materials	
				effects on surface			
		University of		characterization with		Mechanics and	
		Maryland, College		dynamic atomic force	Materials and Surface	Engineering	
Santiago	Solares	Park	0854735	microscopy	Engineering	Materials	В
Carriago	3010100	University of	300 17 00	CAREER: Adhesion and	goog	Mechanics and	+ -
		Massachusetts,		Friction in Multi-Asperity	Materials and Surface	Engineering	
Marina	Ruths	Lowell	0645065	Contacts	Engineering	Materials	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Self-Organized Nanolayers		Mechanics and	
		University of		for Organic Thin-Film	Materials and Surface	Engineering	
Li	Tan	Nebraska, Lincoln	0825905	Transistors	Engineering	Materials	D
				Molecular Engineering of		Mechanics and	
		University of Notre		Biomimetic Hydrogel-Based	Materials and Surface	Engineering	
Yingxi (Elaine)	Zhu	Dame	1000429	Lubricious Films	Engineering	Materials	Α
				AHSS: Multi-scale Modeling			
				of Deformation Mechanism		Mechanics and	
		University of		for Design of New	Materials and Surface	Engineering	
Ju	Li	Pennsylvania	0728069	Generation of Steels	Engineering	Materials	В
				Harnessing Light to Control			
				the Autonomous		Mechanics and	
		University of		Functionality of Soft Active	Materials and Surface	Engineering	
Anna	Balazs	Pittsburgh	0926362	Materials	Engineering	Materials	С
				Surface Crystallization to			
				Optimize Nanostructure of			
				Proton Conductors in		Mechanics and	
		University of		Hydrogen Membrane Fuel	Materials and Surface	Engineering	
Matthew	Yates	Rochester	0856128	Cells	Engineering	Materials	D
				Self-Rising Approach to			
				Synthesize Hierarchically			
				Porous Mixed Ionic and			
		University of South		Electronic Conducting		Mechanics and	
		Carolina Research		Cathodes for Solid Oxide	Materials and Surface	Engineering	
Fanglin (Frank)	Chen	Foundation	1000068	Fuel Cells	Engineering	Materials	Α
,		University of		A Peierls Perspective on		Mechanics and	
		Tennessee,		Mechanisms of Atomic	Materials and Surface	Engineering	
Yanfei	Gao	Knoxville	0900027	Friction	Engineering	Materials	В
				Indentation-Induced	•		
		University of		Damage Initiation and		Mechanics and	
		Tennessee,		Evolution in Single- and Poly	Materials and Surface	Engineering	
Yanfei	Gao	Knoxville	0926798	Crystalline Ceramics	Engineering	Materials	С
		University of		Surface Modification of Bulk-		Mechanics and	
		Tennessee,		Metallic Glasses by a Laser-	Materials and Surface	Engineering	
Peter	Liaw	Knoxville	0900271	Peening Process	Engineering	Materials	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Nanoparticles to Increase			
		University of		Strength of Surface		Mechanics and	
		Tennessee,		Adhesion: An Inspiration	Materials and Surface	Engineering	
Mingjun	Zhang	Knoxville	1029953	from Biological Systems	Engineering	Materials	Α
				Fabrication of Zinc Nitride			
				and Zinc-Oxy-Nitride Thin		Mechanics and	
				Films for Photovoltaic and	Materials and Surface	Engineering	
Ahalapitiya	Jayatissa	University of Toledo	0928440	Optoelectronic Applications	Engineering	Materials	В
				CAREER: Experimental			
				Investigation of Mechanical		Mechanics and	
		University of		Properties of Nanoporous	Materials and Surface	Engineering	
Junlan	Wang	Washington	0935758	Thin Films	Engineering	Materials	С
				The Design and Analysis of			
				Aluminide Surface Layers		Mechanics and	
		University of		for Low Temperature	Materials and Surface	Engineering	
John	Perepezko	Wisconsin, Madison	0926796	Synthesis	Engineering	Materials	D
				CAREER: Molecular Basis			
				for Viscoelastic Response		Mechanics and	
		University of		on Nano-Mechanical	Materials and Surface	Engineering	
Izabela	Szlufarska	Wisconsin, Madison	0747661	Biosensors	Engineering	Materials	Α
		University of		Understanding the Frictional		Mechanics and	
		Wisconsin,		Properties of Boundary	Materials and Surface	Engineering	
Wilfred	Tysoe	Milwaukee	0826151	Films	Engineering	Materials	В
		Virginia Polytechnic		Mechanics of Self-		Mechanics and	
		Institute and State		assembled Peptide	Materials and Surface	Engineering	
Justin	Barone	University	0856262	Structures	Engineering	Materials	С
GGGIII	Darone	OTHIVOISILY	0000202	Ciraciaics	Linginiconing	Mechanics and	
		Arizona State		Mechanics of Stretchable		Engineering	
Hanqing	Jiang	University	0700440	Electronics	Mechanics of Materials		D

First Name	Local Name	Owneringtion	Grant	One of Title	Dun A	Objection	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		Arizona State		CAREER: Investigation of Mechanical Properties of Carbon Nanotube Macro-		Mechanics and Engineering	
Hanqing	Jiang	University	0844737	Films in Integrated Systems	Mechanics of Materials		Α
Huajian	Gao	Brown University	0758535	Competing Grain-Interior and Grain-Boundary Deformation Mechanisms in Nanocrystalline Materials and Thin Films	Mechanics of Materials	Mechanics and Engineering	В
Vivek	Shenoy	Brown University	0855853	Mechanics of Strain-Driven Nanopatterning in Alloy Systems	Mechanics of Materials	Mechanics and Engineering	С
Chiara	Daraio	California Institute of Technology	0844540	CAREER: Experimental Investigation of Highly Nonlinear Granular Crystals for the Development of New Mechanical Systems and Acoustic Metamaterials	Mechanics of Materials	Mechanics and Engineering Materials	D
Ciliara		Carnegie Mellon		Collaborative Research: Stick-slip Dynamics of		Mechanics and Engineering	_
Maarten	de Boer	University Carnegie Mellon	1030322	Micromachined Interfaces AHSS: A Study of the Effects of Microstructure on the Mechanical Properties and Failure Mechanisms of Advanced High Strength	Mechanics of Materials	Mechanics and Engineering	A
Warren	Garrison	University Carnegie Mellon	0726949	Steels A Mechanically Based Polymer Microfiber Approach to Probe Mechanotransduction in Calcium Response of Stem	Mechanics of Materials		В
Philip	LeDuc	University	0856187	Cells	Mechanics of Materials	ŭ ŭ	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: The Science		Mechanics and	
				Underpinning Mechanical		Engineering	
Xi	Chen	Columbia University	0643726	Self-Assembly	Mechanics of Materials	Materials	D
				Effective Properties of Multi-			
				phase Materials by		Mechanics and	
				Stochastic Reduced Order		Engineering	
Mircea	Grigoriu	Cornell University	0969150	Models (SROMs)	Mechanics of Materials	Materials	Α
				GOALI/Collaborative			
				Research: Understanding			
				Cracking and Defect		Mechanics and	
				Formation During AIN		Engineering	
Matthew	Miller	Cornell University	0928257	Crystal Growth	Mechanics of Materials	Materials	В
		j		The Effect of Surfaces on		Mechanics and	
				the Strength of Nanoscale		Engineering	
Alan	Zehnder	Cornell University	0856488	Silicon Structures	Mechanics of Materials		С
		Georgia Tech					
		Research		Multiresolution, Coarse-			
		Corporation,		Grained Modeling of 3D		Mechanics and	
		Georgia Institute of		Dislocation Nucleation and		Engineering	
David	McDowell	Technology	0758265	Migration	Mechanics of Materials		D
		Georgia Tech					
		Research		Methods for Atomistic Input			
		Corporation,		into Initial Yield and Plastic		Mechanics and	
		Georgia Institute of		Flow Criteria for		Engineering	
David	McDowell	Technology	1030103	Nanocrystalline Materials	Mechanics of Materials		Α
		, , , , , , , , , , , , , , , , , , , ,					
		Georgia Tech		Non-Contact Experimental			
		Research		Technique to Characterize			
		Corporation,		Interfacial Crack		Mechanics and	
		Georgia Institute of		Propagation in Nano-Scale		Engineering	
Suresh	Sitaraman	Technology	0800037	and Micro-Scale Thin Films	Mechanics of Materials	o o	В
<u> </u>	Charaman	. comology	3000001	Large Deformation and	moonanioo on materialo	Mechanics and	
				Instability in Soft Active		Engineering	
Zhigang	Suo	Harvard University	0800161	Materials	Mechanics of Materials		С
<u> Lingang</u>	Juu	riaivaiu Olliveisity	0000101	iviateriais	INICCHAINCS OF MAICHAIS	เพลเซกลเจ	

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Investigating the Molecular			
				Mechanisms of Thermally		Mechanics and	
		Johns Hopkins		Active Amorphous Shape		Engineering	
Thao	Nguyen	University	0758390	Memory Polymers	Mechanics of Materials	Materials	D
		Louisiana State				Mechanics and	
		University and		A Self-Healing Smart		Engineering	
Guoqiang	Li	AandM College	0900064	Syntactic Foam	Mechanics of Materials	Materials	Α
				GOALI: Stress in a Porous			
				Polymeric Membrane		Mechanics and	
		Michigan State		Separator in a Lithium-Ion		Engineering	
Xinran	Xiao	University	1030821	Battery	Mechanics of Materials	Materials	В
				EAGER: Accurate and			
		Michigan		Efficient Surrogate Modeling		Mechanics and	
		Technological		Applied to Computational		Engineering	
Spandan	Maiti	University	1002869	Mechanics	Mechanics of Materials	Materials	С
				Modeling the Mechanics of		Mechanics and	
		New Jersey Institute		Light Activated Shape		Engineering	
I. Joga	Rao	of Technology	0900278	Memory Polymers	Mechanics of Materials	Materials	D
				CAREER: Multi-Scale and		Mechanics and	
		Northeastern		Multi-Disciplinary Aspects of		Engineering	
Andrew	Gouldstone	University	0838774	Indentation	Mechanics of Materials	Materials	Α
				EAGER: Cross-Disciplinary		Mechanics and	
		Northeastern		Applications of Shell		Engineering	
Ashkan	Vaziri	University	1065759	Mechanics	Mechanics of Materials	Materials	В
				Integrative			
				Modeling/Simulation and			
				Experimental Validation of		Mechanics and	
		Northwestern		Therapeutic Nanodiamond		Engineering	
Dean	Но	University	0856492	Materials	Mechanics of Materials	Materials	С
				Design and Development of			
				Body-Centered Cubic Alloys			
				with Increased Strength and			
				Toughness for		Mechanics and	
		Northwestern		Infrastructural and Structural		Engineering	
Semyon	Vaynman	University	0826535	Applications	Mechanics of Materials	Materials	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Somnath	Ghosh	Ohio State University Research Foundation	0728203	Collaborative Proposal: Integrated Computational System for Probability Based Multi-Scale Model (PMM) of Ductile Fracture in Lightweight Alloys	Mechanics of Materials	Mechanics and Engineering Materials	A
Alejandro	Strachan	Purdue University	0826356	Cyber-Enabled Predictive Models for Polymer Nanocomposites: Multiresolution Simulations and Experiments	Mechanics of Materials	Mechanics and Engineering Materials	В
riejanare	on adman	Rensselaer	0020000	GOALI/Collaborative Research: Understanding Cracking and Defect Formation During AIN	meenamee en materiale	Mechanics and Engineering	
Antoinette	Maniatty	Polytechnic Institute	0928556	Crystal Growth	Mechanics of Materials		С
				RUI: Magneto-Mechanical Coupling in Isotropic vs. Anisotropic, Hard- vs. Soft- Magnetic Magnetorheological		Mechanics and Engineering	
Paris	vonLockette	Rowan University	0927326	Elastomers	Mechanics of Materials		D
Andrew	Norris	Rutgers University, New Brunswick	0928499	Cloaking Mechanical Waves	Mechanics of Materials	Mechanics and Engineering Materials	A
, and ow	110110	Rutgers University,	0020100	GOALI: Random Fiber Structures: Material Characterization and Adaptive Damage	Wischaring of Materials	Mechanics and Engineering	
Assimina	Pelegri	New Brunswick	0728049	Response	Mechanics of Materials	Materials	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: The Virtual Heart			
				Exploring the Structure-		Mechanics and	
				function Relationship in		Engineering	
Ellen	Kuhl	Stanford University	0952021	Electroactive Cardiac Tissue	Mechanics of Materials	Materials	С
				CAREER: Immersed			
				Boundary Methods in		Mechanics and	
				Computational Solid		Engineering	
Adrian	Lew	Stanford University	0747089	Mechanics	Mechanics of Materials	Materials	D
				CAREER: Bridging			
				Experiments and Multiscale			
				Modeling of Size- and			
				Temperature-dependent		Mechanics and	
		Texas Engineering		Phenomena in		Engineering	
Ahmed-Amine	Benzerga	Experiment Station	0748187	Polycrystalline Plasticity	Mechanics of Materials	Materials	Α
				Nonlinear Field-Coupling			
				Responses of Adaptive		Mechanics and	
		Texas Engineering		Functionally Graded		Engineering	
Anastasia	Muliana	Experiment Station	1030836	Structures	Mechanics of Materials	Materials	В
						Mechanics and	
				Melt Fracture in Soft Solid-		Engineering	
Shi-Qing	Wang	University of Akron	0926522	Like Polymeric Materials	Mechanics of Materials	Materials	С
						Mechanics and	
		University of		Assembly Mechanism of		Engineering	
Xiaoyi	Wu	Arizona	0856215	Recombinant Proteins	Mechanics of Materials	Materials	D
				Collaborative Research:			
				Validated Multiscale			
				Simulation Framework for			
		University of		Large-strain Thermo-		Mechanics and	
		California, Los		mechanical Response of		Engineering	
Ertugrul	Taciroglu	Angeles	1031181	Open-Cell Aluminum Foams	Mechanics of Materials	Materials	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Time Dependent Creep			
				Deformation of Non Polar		Mechanics and	
		University of Central		Mixed Conducting		Engineering	
Nina	Orlovskaya	Florida	0968911	Ferroelastic Perovskites	Mechanics of Materials	Materials	В
				The Mechanics of			
				Debonding of Foam Core		Mechanics and	
		University of		Sandwich Structure Under		Engineering	
Anette	Karlsson	Delaware	0824827	Cyclic Loading	Mechanics of Materials	Materials	С
				Size-Dependent Super-		Mechanics and	
		University of		Piezoelectricity in		Engineering	
Pradeep	Sharma	Houston	0826153	Nanostructures	Mechanics of Materials		D
'				Concurrent Multiphysics		Mechanics and	
		University of Illinois,		Modeling of Bio-Inspired		Engineering	
Eduard	Karpov	Chicago	0900498	Functional Materials	Mechanics of Materials		Α
		- Carronge		Experiments and Models on			
				Room Temperature Creep		Mechanics and	
		University of Illinois,		of Nanocrystalline Metallic		Engineering	
Ioannis	Chasiotis	Urbana-Champaign	0927149	Films	Mechanics of Materials		В
TO CAT IT TO	Oridolotio	Orbana Onampaign	0027110	Image-Based	Woonanioo or Waterialo	Mechanics and	+ -
		University of Illinois,		Characterization and Multi-		Engineering	
Iwona	Jasiuk	Urbana-Champaign	0927909	Scale Modeling of Bone	Mechanics of Materials		С
IWOIIA	Jasiak	Orbana Onampaign	0327303	Δ	Wiconamics of Waterials	Materials	+ -
				Computational/Experimental			
				Multiscale Approach to the			
				Analysis of Structures		Mechanics and	
		University of Illinois,		Containing Mechanical		Engineering	
Arif	Masud	Urbana-Champaign	0800208	Joints	Mechanics of Materials		D
AIII	IVIasuu	Orbana-Champaign	0600206	GOALI: Modeling Solute	iviechanics of ivialenais	Materials	D
				_		Maabaniaa and	
		I laineanite est III a sis		Effects in Magnesium		Mechanics and	
Dallas	Triple	University of Illinois,	0005004	Alloys: First-principles to	Machaniae of Matariala	Engineering	
Dallas	Trinkle	Urbana-Champaign	0825961	Predictive Finite-Element	Mechanics of Materials		A
		University of		GOALI: Mechanics of		Mechanics and	
_		Maryland, College		Permeation Barriers in		Engineering	
Teng	Li	Park	0856540	Flexible Electronics	Mechanics of Materials	Materials	В

First Name	Logf Name	0	Grant	Onest Title	D	Objection	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Mechanical and Electrical			
				Response of Novel Polymer			
		University of		Grafted CNT Reinforced		Mechanics and	
		Massachusetts,		Copolymers under Quasi-		Engineering	
Vijaya	Chalivendra	Dartmouth	0856463		Mechanics of Materials		С
				Experimental Investigation			
				of Microstructural Effects on			
				Deformation and Fracture			
				Mechanisms in		Mechanics and	
		University of		Nanostructured Metallic		Engineering	
Samantha	Daly	Michigan	0927530	Materials	Mechanics of Materials		D
				Electronic Structure Studies		Mechanics and	
		University of		on Prismatic Dislocation		Engineering	
Vikram	Gavini	Michigan	0927478	Loops	Mechanics of Materials	Materials	Α
				CAREER: Computational		.	
				Approaches for Multi-scale		Mechanics and	
.,		University of	0054000	Design of Magnetostrictive		Engineering	
Veera	Sundararaghavan	Michigan	0954390	Alloys	Mechanics of Materials	Materials	В
				MRI: Acquisition of a Digital			
				Imaging Correlation System		Maabaaiaaaa	
		Linicaraity of Nove		to Advance Research,		Mechanics and	
Brad	Vincey	University of New	0001517	Training and Education in	Mechanics of Materials	Engineering	
ыаи	Kinsey	Hampshire	0821517	Engineering Finite-Strain, Constitutive	Mechanics of Materials	Mechanics and	С
		University of		Models for Semi-Crystalline		Engineering	
Pedro	Ponte Castaneda	Pennsylvania	0654063	Polymers	Mechanics of Materials		D
Feuro	r onte Castaneda	remoyivallia	0004003	r Giyineis	INICCHAINGS OF MATCHAIS	ivialeriais	1 0
				Fiber-Reinforced Polymeric			
				Material Systems: A Multi-		Mechanics and	
		University of		Scale, Elasto-Viscoplastic		Engineering	
Pedro	Ponte Castaneda	Pennsylvania	0969570	Homogenization Approach	Mechanics of Materials		Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Integrated Experiment and			
				Atomistic Computation on		Mechanics and	
		University of		Moisture-Induced Interfacial		Engineering	
Scott	Mao	Pittsburgh	0825842	Embrittlement	Mechanics of Materials	Materials	В
				A New Atomistic-to-			
				Continuum			
				Thermomechanical Model			
				that Enables a Novel			
				Averaging Method for		Mechanics and	
		University of		Molecular Dynamics		Engineering	
Albert	То	Pittsburgh	0928094	Simulations	Mechanics of Materials	Materials	С
				Collaborative Research:			
				Mechanical and Electrical			
				Response of Novel			
				Conductive Polymer Grafted			
				CNT Reinforced			
				Copolymers under Quasi-		Mechanics and	
		University of Rhode		static and Dynamic		Engineering	
Arun	Shukla	Island	0856133	Loadings	Mechanics of Materials	Materials	D
				Collaborative Research:			
				Interactions between a			
				Propagating Matrix Crack			
				and Inclusions in Particulate		Mechanics and	
		University of South		Composites: Experiments		Engineering	
Anh-Vu	Phan	Alabama	0653796	and Modeling	Mechanics of Materials	Materials	Α
				Scale-Dependent Crystal			
		University of		Plasticity and		Mechanics and	
		Tennessee,		Nanoindentation-Induced		Engineering	
Yanfei	Gao	Knoxville	0800168	Dislocation Microstructure	Mechanics of Materials		В
						Mechanics and	
		University of Texas,		Nonlinear Mechanics of		Engineering	
Rui	Huang	Austin	0926851	Graphene-Based Materials	Mechanics of Materials	Materials	С

E' (N			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		University of Texas,		Collaborative Research: Fundamental Experimental and Theoretical Investigation of Finite Strain and High Strain-Rate Electromagnetic Loading		Mechanics and Engineering	
Krishnaswamy	Ravi-Chandar	Austin	0900293	Processes in Metals	Mechanics of Materials	o o	D
Paul	Voyles	University of Wisconsin, Madison		Nanoscale Mechanics of Bulk Amorphous Metals	Mechanics of Materials	Mechanics and Engineering	A
Chung-Souk	Han	University of Wyoming	0846692	CAREER: Integrated Research and Education on the Size Dependent Deformation in Polymers Indentation Tests, Material Modeling, and Numerical Simulations	Mechanics of Materials	Mechanics and Engineering Materials	В
Sukky	Jun	University of Wyoming	0856250	Hierarchical Computational Nanomechanics of Heterogeneous Interfaces: From Ab Initio to Continuum Calculations	Mechanics of Materials	Mechanics and Engineering Materials	С
David	Dillard	Virginia Polytechnic Institute and State University	0826143	Fracture of Adhesive Bonds under Mixed Mode Loading: Experiments in a Dual Actuator Load Frame and Numerical Simulations	Mechanics of Materials	Mechanics and Engineering Materials	D
Ruifeng	Liang	West Virginia University Constructed Facilities Center	0908199	SGER: Material and Structural Response of Historic Hakka Rammed Earth Structures	Mechanics of Materials	Mechanics and Engineering Materials	A

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Molecular Mechanics			
				Dictate the Mechanical		Mechanics and	
				Behavior of an Extracellular	Nano and Bio	Engineering	
Michael	Smith	Boston University	1031139	Matrix Fiber	Mechanics	Materials	В
				CAREER: Integrating Multi-			
				Scale Mechanics and			
				Biomaterials to Study the		Mechanics and	
				Translation of Mechanical	Nano and Bio	Engineering	
Katherine Y.	Zhang	Boston University	0954825	Forces from Tissue to Cell	Mechanics	Materials	С
				Collaborative Research:			
				Elastic and Viscoelastic			
				Characterization and			
				Modeling of Polymer based		Mechanics and	
				Structures for Biological	Nano and Bio	Engineering	
Xin	Zhang	Boston University	0826191	Applications	Mechanics	Materials	D
				Collaborative Research:			
				Elastic and Viscoelastic			
				Characterization and			
				Modeling of Polymer based		Mechanics and	
				Structures for Biological	Nano and Bio	Engineering	
Xin	Zhang	Boston University	0826191	Applications	Mechanics	Materials	Α
				CAREER: Biomechanical		Mechanics and	
		Brigham Young		Consequences of Spinal	Nano and Bio	Engineering	
Anton	Bowden	University	0952758	Ligament Microstructure	Mechanics	Materials	В
				Effects of Elasticity and		Mechanics and	
				Geometry on Cellular	Nano and Bio	Engineering	
Huajian	Gao	Brown University	1028530	Uptake of Nanoparticles	Mechanics	Materials	С
				Effects of Elasticity and		Mechanics and	
				Geometry on Cellular	Nano and Bio	Engineering	
Huajian	Gao	Brown University	1028530	Uptake of Nanoparticles	Mechanics	Materials	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Mechanics of Intracellular			
				Pathogens and Biomimetic		Mechanics and	
				Systems Propelled by Actin	Nano and Bio	Engineering	
Vivek	Shenoy	Brown University	0825185	Comet Tails	Mechanics	Materials	Α
	j	·		Biomechanics of Actin		Mechanics and	
				Networks Regulated by	Nano and Bio	Engineering	
Jay	Tang	Brown University	0825873	Physical Mechanisms	Mechanics	Materials	В
				L		Mechanics and	
.	D	California Institute	0750040	The Mechanics of Genome	Nano and Bio	Engineering	
Rob	Phillips	of Technology	0758343	Ejection in Bacterial Viruses	Mechanics	Materials	С
				Nanomechanical Material		Mechanics and	
		Carnegie Mellon		Size Effects Using an In-	Nano and Bio	Engineering	
Jack	Beuth	University	1030682	· ·	Mechanics	Materials	D
				Nanomechanical Material		Mechanics and	
		Carnegie Mellon		Size Effects Using an In-	Nano and Bio	Engineering	
Jack	Beuth	University	1030682	,	Mechanics	Materials	Α
				EAGER: Transitioning to			
				Millifluidics: 2D Microfluidic		Mechanics and	
Dhilin	I a Dua	Carnegie Mellon	4040740	Controls for 3D Profile	Nano and Bio	Engineering	
Philip	LeDuc	University	1013748	Manipulation Nanomechanics of	Mechanics	Materials	В
				Biologically Inspired			
				Repeatable and Hierarchical		Mechanics and	
		Carnegie Mellon		Elastomer Fibrillar	Nano and Bio	Engineering	
Metin	Sitti	University	0800408	Adhesives	Mechanics	Materials	С
		,				Mechanics and	
		Case Western		Mechanical Modulation of	Nano and Bio	Engineering	
Melissa	Knothe Tate	Reserve University	0826435	Stem Cell Shape and Fate	Mechanics	Materials	D
				Multiscale Computational			
				Analysis of		Mechanics and	
0		01	0000474	Nanoelectromechanical	Nano and Bio	Engineering	
Gang	Li	Clemson University	0800474	Systems (NEMS)	Mechanics	Materials	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Accelerated Degradation of		Mechanics and	
				Active Nanosystems by	Nano and Bio	Engineering	
Henry	Hess	Columbia University	0926790	Biomolecular Motors	Mechanics	Materials	В
				Monoatomically Thin Films:			
				Nonlinear Mechanical		Mechanics and	
				Response and Mechanical-	Nano and Bio	Engineering	
Jeffrey	Kysar	Columbia University	0927891	Electrical Coupling	Mechanics	Materials	С
,	,	Georgia Tech		Fabrication and			
		Research		Thermomechanical			
		Corporation,		Characterization of NiTi		Mechanics and	
		Georgia Institute of		Shape Memory Alloy	Nano and Bio	Engineering	
Olivier	Pierron	Technology	0825435	Nanowires	Mechanics	Materials	D
		Georgia Tech					
		Research					
		Corporation,				Mechanics and	
		Georgia Institute of		Nanomechanics of Tough	Nano and Bio	Engineering	
Ting	Zhu	Technology	0653769	Nanostructured Metals	Mechanics	Materials	Α
		Georgia Tech					
		Research					
		Corporation,		Chemo-Mechanics of		Mechanics and	
		Georgia Institute of		Fracture in Small-Volume	Nano and Bio	Engineering	
Ting	Zhu	Technology	0758554	Materials	Mechanics	Materials	В
				Collaborative Research:			
				Electrically Controlled		Mechanics and	
		Lewis and Clark		Nanofibrillar Surfaces for	Nano and Bio	Engineering	
Kellar	Autumn	College	0900723	Cleaning and Adhesion	Mechanics	Materials	С
				Nanoscale Structural			
		l		Rearrangement and Strain		Mechanics and	
<u> </u>	[North Dakota State		Softening in Ultra-Pure	Nano and Bio	Engineering	
Erik	Hobbie	University, Fargo	0969155	Nanotube Membranes	Mechanics	Materials	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Tribologically Durable			
				UHMWPE Nanocomposites			
				for Total Joint			
				Replacements: Nano-		Mechanics and	
		North Dakota State		mechanics and Bio-	Nano and Bio	Engineering	
Annie X.	Tangpong	University, Fargo	0900181	tribological Modeling	Mechanics	Materials	Α
				CAREER: Interfacing and		Mechanics and	
		Northeastern		Integrating Life-Sciences	Nano and Bio	Engineering	
Kai-tak	Wan	University	0757140	and Solid-Mechanics	Mechanics	Materials	В
				L			
				Modeling of Endothelial Cell		L	
				Adhesion Dynamics	l	Mechanics and	
		Northwestern		Modulated by Experimental	Nano and Bio	Engineering	
Wing	Liu	University	0856333	Molecular Engineering	Mechanics	Materials	С
				Modeling of Endothelial Cell			
				Adhesion Dynamics		Mechanics and	
		Northwestern		Modulated by Experimental	Nano and Bio	Engineering	
Wing	Liu	University	0856333	Molecular Engineering	Mechanics	Materials	D
vvirig	Liu	Offiversity	0000000	Molecular Engineering	Medianics	Materials	
				Synthesis and			
		Pennsylvania State		Nanomechanical Properties		Mechanics and	
		University,		of Crystalline Boron-based	Nano and Bio	Engineering	
Christopher	Muhlstein	University Park	0927163	Nanofilaments	Mechanics	Materials	Α
				Collaborative Research:		Mechanics and	
				Nanostructured Alloys With	Nano and Bio	Engineering	
Srinivasan	Chandrasekar	Purdue University	0626047	Unprecedented Properties	Mechanics	Materials	В
		·		Collaborative: Brittle			
				Epoxies Rendered Ductile-		Mechanics and	
		Rensselaer		Crazing in Thermosetting	Nano and Bio	Engineering	
Nikhil	Koratkar	Polytechnic Institute	0900188	Epoxy Nanocomposites	Mechanics	Materials	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Next Consenting Liles			
				Next Generation Li-Ion		NA I	
				Rechargeable Batteries		Mechanics and	
l		Rensselaer			Nano and Bio	Engineering	
Nikhil	Koratkar	Polytechnic Institute	0969895	Anode Architectures	Mechanics	Materials	D
				CAREER: Hierarchies of		Mechanics and	
		Rensselaer		Repair in Damaged Bone -	Nano and Bio	Engineering	
Shiva	Kotha	Polytechnic Institute	0846869	A Role for Osteocytes	Mechanics	Materials	Α
				Multi-Scale Modeling of		Mechanics and	
		Rutgers University,		Central Nervous System	Nano and Bio	Engineering	
Assimina	Pelegri	New Brunswick	1000450	White Matter	Mechanics	Materials	В
				Probing the Role of Surface			
		Texas AandM		Defects and Disorder on the		Mechanics and	
		Research		Tribology of Nanoscopic	Nano and Bio	Engineering	
James	Batteas	Foundation	0825977	Contacts	Mechanics	Materials	С
				Collaborative: Brittle			
				Epoxies Rendered Ductile -		Mechanics and	
		Texas Tech		Crazing in Thermosetting	Nano and Bio	Engineering	
Rajesh	Khare	University	0900512	Epoxy Nanocomposites	Mechanics	Materials	D
				Biomechanical Regulation of		Mechanics and	
		The Ohio State		Cellular Signaling and	Nano and Bio	Engineering	
Keith	Gooch	University	0928739	Organization	Mechanics	Materials	Α
		,		A Combined Experimental-			
				Computational Method to		Mechanics and	
				Evaluate Abdominal Aortic	Nano and Bio	Engineering	
Robert	Peattie	Tufts University	1031366	Aneurysm Wall Stress	Mechanics	Materials	В
		,				Mechanics and	
		University of		The Mechanics of Silk-	Nano and Bio	Engineering	
Xiaoyi	Wu	Arizona	0700323	Elastin-Like Proteins	Mechanics	Materials	С
	1		2.00020	Collaborative Research:			
				Electrically Controlled		Mechanics and	
		University of		Nanofibrillar Surfaces for	Nano and Bio	Engineering	
Ronald	Fearing	California, Berkeley	0856789	Cleaning and Adhesion	Mechanics	Materials	D
Nonaiu	n canny	California, Derkeley	0000108	Cleaning and Adnesion	INICUIALIIUS	เงเลเษาเลเจ	U

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				L		Mechanics and	
		University of		Multiscale Simulation of Soft		Engineering	
Shaofan	Li	California, Berkeley	0800744	Contact and Cell Adhesion	Mechanics	Materials	Α
				Mechanical Properties and			
				Their Time-Temperature		Mechanics and	
		University of		Dependence in Fabricated	Nano and Bio	Engineering	
Albert	Yee	California, Irvine	0728352	Polymeric Nanostructures	Mechanics	Materials	В
				CAREER: Membrane-			
		University of		Protein Interactions and the		Mechanics and	
		California, Los		Mechanics of Cell	Nano and Bio	Engineering	
William	Klug	Angeles	0748034	Organelles	Mechanics	Materials	С
		University of		Micro- and Nano-Mechanics		Mechanics and	
		California, Los		of Active Biopolymer	Nano and Bio	Engineering	
Alexander	Levine	Angeles	0800533	Networks	Mechanics	Materials	D
		University of		Collaborative Research:		Mechanics and	
		California, Santa		Nanostructured Alloys With	Nano and Bio	Engineering	
Henry	Yang	Barbara	0626541	Unprecedented Properties	Mechanics	Materials	Α
,				Reinforcing Mechanisms of		Mechanics and	
		University of Central		Carbon Nanotube Metallic	Nano and Bio	Engineering	
Quanfang	Chen	Florida	0700666	Nanocomposites	Mechanics	Materials	В
				Graphene Nanomechanics:		Mechanics and	
		University of		The Role of Van der Waals	Nano and Bio	Engineering	
Joseph	Bunch	Colorado, Boulder	0900832	Forces	Mechanics	Materials	С
				CAREER: Integrative			
				Research and Education on		Mechanics and	
		University of		Multiphysical Behaviors of	Nano and Bio	Engineering	
Hang (Jerry)	Qi	Colorado, Boulder	0645219	Soft Functional Materials	Mechanics	Materials	D
riang (corry)	<u> </u>	Sciorado, Bodidor	30 102 10	Cont. anotona materiale	THOU THE THE	matorialo	
				CAREER: Integrative			
				Research and Education on		Mechanics and	
		University of		Multiphysical Behaviors of	Nano and Bio	Engineering	
Hang (Jerry)	Qi	Colorado, Boulder	0645219	Soft Functional Materials	Mechanics	Materials	Α
nang (Jeny)	WI	Colorado, boulder	0040219	Soft Functional Materials	IVIECHALIICS	เงเลเษาเลเร	А

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Mechanics of Cell Alignment			
				due to Contact Guidance by		Mechanics and	
		University of		Nanoscale Surface	Nano and Bio	Engineering	
Hang (Jerry)	Qi	Colorado, Boulder	0928067	Topography	Mechanics	Materials	В
				Mechanical Loss		Mechanics and	
		University of		Mechanisms in c-axis	Nano and Bio	Engineering	
Charles	Rogers	Colorado, Boulder	0856261	Gallium Nitride Nanowires	Mechanics	Materials	С
				CAREER: The Role of		Mechanics and	
		University of		Mobility in Antibody	Nano and Bio	Engineering	
Tai-Hsi	Fan	Connecticut	0952646	Aggregation	Mechanics	Materials	D
				Reproducing the			
				Extraordinary Mechanical			
				Properties of Biominerals		Mechanics and	
				through Multiscale	Nano and Bio	Engineering	
Youping	Chen	University of Florida	0855795	Simulation	Mechanics	Materials	Α
						Mechanics and	
				Maintenance of Tension in	Nano and Bio	Engineering	
Tanmay	Lele	University of Florida	0927945	Dynamic Stress Fibers	Mechanics	Materials	В
				CAREER: The Function of			
				Nuclear-Cytoskeletal		Mechanics and	
				Tethers in Cell	Nano and Bio	Engineering	
Tanmay	Lele	University of Florida	0954302	Mechanosensing	Mechanics	Materials	С
		University of		Understanding and		Mechanics and	
		Georgia Research		Preventing Nanocarpet	Nano and Bio	Engineering	
Yiping	Zhao	Foundation	0824728	Effect	Mechanics	Materials	D
				Nanoscale Near-Surface		Mechanics and	
		University of		Deformation Response in	Nano and Bio	Engineering	
Devesh	Misra	Louisiana, Lafayette	0852795	Nanostructured Materials	Mechanics	Materials	Α
				CAREER: Sub-NanoNewton			
		University of		Force Spectroscopy in		Mechanics and	
		Maryland, College		Liquids with Dual-Frequency	Nano and Bio	Engineering	
Santiago	Solares	Park	0841840	Modulation AFM	Mechanics	Materials	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		University of				Mechanics and	
		Massachusetts,		Physical Regulation of	Nano and Bio	Engineering	
Jennifer	Ross	Amherst	0928540	Microtubule Biomechanics	Mechanics	Materials	С
				Probing the Effects of Highly			
				Bent and Twisted DNA on		Mechanics and	
		University of		Transcription by RNA	Nano and Bio	Engineering	
Edgar	Meyhofer	Michigan	0969958	Polymerase	Mechanics	Materials	D
				EAGER: Loss-Free Energy			
				Storage and Transition Due		Mechanics and	
		University of		to Nature's Miracle Protein -	Nano and Bio	Engineering	
Susan	Enders	Nebraska, Lincoln	1050685	Resilin	Mechanics	Materials	Α
				CAREER: Entropic Elasticity		Mechanics and	
		University of		of Fluctuating Filaments and	Nano and Bio	Engineering	
Prashant	Purohit	Pennsylvania	0953548	Networks	Mechanics	Materials	В
				Nanomechanics on		Mechanics and	
		University of		deformation processes in	Nano and Bio	Engineering	
Scott	Mao	Pittsburgh	0625733	nanocrystalline materials	Mechanics	Materials	С
				Nanoscale Characterization			
				of Nanostructured Thin Film		Mechanics and	
		University of		with Ultrahigh Strength and	Nano and Bio	Engineering	
Scott	Мао	Pittsburgh	0928517	Ductility	Mechanics	Materials	D
				Novel Experimental and			
				Theoretical Approaches to			
				Understand Biomechanics		Mechanics and	
		University of South		of Atherosclerotic Plaque	Nano and Bio	Engineering	
Susan	Lessner	Carolina	0926301	Rupture	Mechanics	Materials	Α

First Name	Last Name	Oiti	Grant	One of Title	Dua A	Olympian	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Hierarchically Structured			
				Polycrystalline Hollow Gold			
				Nanoparticles - a Model			
				System for Integrated			
				Experimental and Multiscale		Mechanics and	
		University of Texas,		Computational	Nano and Bio	Engineering	
Yaowu	Нао	Arlington	1000831	Nanomechanics	Mechanics	Materials	В
Taowa	1140	7 timigton	1000001	Nanomechanics Based	Modriamod	Mechanics and	
		University of Texas,		Determination of In-Situ	Nano and Bio	Engineering	
Xiaodu	Wang	San Antonio	0900753	Toughness of Bone	Mechanics	Materials	С
, iidodd	, rang	Carry antonio	0000100	Microstructural Effects in	Modriamod	Mechanics and	
		University of		Tayloring the Response of	Nano and Bio	Engineering	
Marek-Jerzy	Pindera	Virginia	1030673	Engineered Bio-Materials	Mechanics	Materials	D
		1 9		CAREER: Mechanics of			
				Vascular Smooth Muscle			
				Cell Contraction -		Mechanics and	
		University of		Subcellular Structure-	Nano and Bio	Engineering	
Nathan	Sniadecki	Washington	0846780	Function Relationships	Mechanics	Materials	Α
				Collaborative Research:			
				Tribologically Durable			
				UHMWPE Nanocomposites			
				for Total Joint			
				Replacements: Nano-		Mechanics and	
		Washington State		mechanics and Bio-	Nano and Bio	Engineering	
Weihong (Katie)	Zhong	University	0856510	tribological Modeling	Mechanics	Materials	В
				Collaborative Research:			
				Tribologically Durable			
				UHMWPE Nanocomposites			
				for Total Joint			
				Replacements: Nano-		Mechanics and	
		Washington State		mechanics and Bio-	Nano and Bio	Engineering	
Weihong (Katie)	Zhong	University	0856510	tribological Modeling	Mechanics	Materials	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Sinisa	Mearovic	Washington State University	0856436	NIRT: Mechanics of NanoTurfs: Multiscale Modeling, Experiments and Characterization	Nano and Bio Mechanics	Mechanics and Engineering Materials	D
Jun	Lou	William Marsh Rice University	0800896	Nanomechanical Characterizations of Interfaces in Carbon Nanotube Reinforced Nanocomposites	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Jun	Lou	William Marsh Rice University	0800896	Nanomechanical Characterizations of Interfaces in Carbon Nanotube Reinforced Nanocomposites	Nano and Bio Mechanics	Mechanics and Engineering Materials	В
Xinyu	Zhang	Auburn University	01000491	Collaborative Research: Geopolymeric Nanocomposite, A Next Generation Material For Infrastructure Sustainability	Structural Materials and Mechanics	Mechanics and Engineering Materials	С
Xiong	Yu	Case Western Reserve University	0700524	Dielectric and Mechanical Spectra Assisted Multi- Scale Study of Early Stage Concrete	Structural Materials and Mechanics	Mechanics and Engineering Materials	D
Xiong	Yu	Case Western Reserve University	0856407	Collaborative Research: Understanding Mechanism of Internal Frost-Induced Damage of Concrete from Microstructure Aspects	Structural Materials and Mechanics	Mechanics and Engineering Materials	A
Yick	Hsuan	Drexel University	0825195	Depletion Mechanisms of Antioxidants in Polyethylene Clay Nanocomposites	Structural Materials and Mechanics	Mechanics and Engineering Materials	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Enhancing the Life Cycle of		Mechanics and	
				Plastic Pipes Through Nano-		Engineering	
Sabrina	Spatari	Drexel University	01030783		and Mechanics	Materials	С
				Monitoring of Hydration in			
				Cement Systems by			
				Broadband Time-Domain-		Mechanics and	
		Elizabethtown		Reflectometry Dielectric	Structural Materials	Engineering	
Nathaniel	Hager	College	0700699	Spectroscopy	and Mechanics	Materials	D
		Georgia Tech					
		Research		Understanding the Structure			
		Corporation,		and Durability of Nano-		Mechanics and	
		Georgia Institute of		Anatase TiO2 Cement-	Structural Materials	Engineering	
Kimberly	Kurtis	Technology	0825373	Based Materials	and Mechanics	Materials	Α
				Understanding Rheology of			
				Cement-based Materials			
				through Intergrated			
				Experiments and		Mechanics and	
		Iowa State		Computations at Multiple	Structural Materials	Engineering	
Kejin	Wang	University	0927660	Scales	and Mechanics	Materials	В
		Lawrence		GOALI/RUI: Development of		Mechanics and	
		Technology		Innovative New Highway	Structural Materials	Engineering	
Nabil	Grace	University	0969676	Bridge System	and Mechanics	Materials	С
		Lawrence		US-Israel Workshop on		Mechanics and	
		Technology		Sustainable Buildings:	Structural Materials	Engineering	
Nabil	Grace	University	1035531	Materials and Energy	and Mechanics	Materials	D
				EAGER: A Breakthrough			
		Louisiana State		Concept in the Preparation		Mechanics and	
		University and		of Highly-Sustainable	Structural Materials	Engineering	
Marwa	Hassan	AandM College	1032288	Asphalt Mixtures	and Mechanics	Materials	Α
				EAGER: SMA Z-Pinned			
		Louisiana State		SMP Cored Sandwich		Mechanics and	
		University and		Structure for Self-Healing	Structural Materials	Engineering	
Guoqiang	Li	AandM College	0946740	Impact Damage	and Mechanics	Materials	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Hybrid Nanostructured			
				Material Systems for			
				Tailored Stress-Wave		Mechanics and	
		Michigan State		Mitigation of Impact and	Structural Materials	Engineering	
Rigoberto	Burgueno	University	0928835	Blast Effects	and Mechanics	Materials	С
				Collaborative Research:			
				Understanding Mechanism			
		Michigan		of Internal Frost-Induced		Mechanics and	
		Technological		Damage of Concrete from	Structural Materials	Engineering	
Qingli	Dai	University	0900015	Microstructure Aspects	and Mechanics	Materials	D
				A Microstructure-Based			
		Michigan		Modeling Approach to		Mechanics and	
		Technological		Characterize Asphalt	Structural Materials	Engineering	
Zhanping	You	University	0701264	Materials	and Mechanics	Materials	Α
				EAGER: Using Nonmetals			
				Separated from E-Waste			
				and Waste Plastic Bags in			
		Michigan		Improving the Mechanical		Mechanics and	
		Technological		Properties of Asphalt	Structural Materials	Engineering	
Zhanping	You	University	0936726	Materials	and Mechanics	Materials	В
				Development and			
				Characterization of Reative			
				Enamel-Coated Steel			
				Rebars for Improved			
		Missouri University		Concrete-Steel Bonding and		Mechanics and	
		of Science and		Enhanced Corrosion	Structural Materials	Engineering	
Genda	Chen	Technology	0900159	Resistance	and Mechanics	Materials	С
				Building Green:			
				Development and			
				Evaluation of an		Mechanics and	
		Montana State		Environmentally Friendly	Structural Materials	Engineering	
Michael	Berry	University	0900143	Concrete	and Mechanics	Materials	D
						Mechanics and	
		North Carolina		Self-Healing Sandwich	Structural Materials	Engineering	
Kara	Peters	State University	0825709	Composites	and Mechanics	Materials	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: A Program of			
				Research Focused on			
				Understanding of Interaction			
				of Recycled Materials with			
				Asphalt, Outreach,		Mechanics and	
		North Dakota State		Academic and Engineering	Structural Materials	Engineering	
Magdy	Abdelrahman	University, Fargo	0846861	Development	and Mechanics	Materials	В
				High Temperature and			
		Pennsylvania State		Sustained Load Effects on		Mechanics and	
		University,		Structural Bonded Repairs	Structural Materials	Engineering	
Maria del Mar	Lopez de Murphy	University Park	0826461	in Civil Infrastructure	and Mechanics	Materials	С
	' '			Collaborative Research:			
				Structural Mechanics of			
				Steel Columns and Beam-		Mechanics and	
				Columns Under Fire	Structural Materials	Engineering	
Amit	Varma	Purdue University	0825506	Loading	and Mechanics	Materials	D
		,		Engineering Bio-based			
				Composites for In-Service		Mechanics and	
				and Out-of-Service	Structural Materials	Engineering	
Sarah	Billington	Stanford University	0900325	Performance	and Mechanics	Materials	Α
		,		EAGER: Developing a			
				Systematic Method for			
				Collection of Life Cycle			
				Inventory (LCI) Data for			
				Infrastructure Fiber		Mechanics and	
				Reinforced Polymer	Structural Materials	Engineering	
Michael	Lepech	Stanford University	0956523	Composites	and Mechanics	Materials	В
	'			Transport Kinetics of			
		Tennessee		Internal Curing Water in		Mechanics and	
		Technological		High Performance	Structural Materials	Engineering	
Benjamin	Mohr	University	0556015	Concretes	and Mechanics	Materials	С
		,					
		Tennessee		Nanoscale Characterization		Mechanics and	
		Technological		of Expansion Due to	Structural Materials	Engineering	
Benjamin	Mohr	University	01030209	Delayed Ettringite Formation		Materials	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Zachary	Grasley	Texas Engineering Experiment Station	0727143	Viscoelastic Cementitious Composites for Controlled Damping of Civil Infrastructure	Structural Materials and Mechanics	Mechanics and Engineering Materials	A
Zacriary	Orasicy	Experiment otation	0727143	minastructure	and Medianies	iviatoriais	
Zachary	Grasley	Texas Engineering Experiment Station	0843979	CAREER: Linking Nanoscale and Macroscale Viscoelastic Responses of Cementitious Materials	Structural Materials and Mechanics	Mechanics and Engineering Materials	В
Anastasia	Muliana	Texas Engineering Experiment Station	0546528	CAREER: Time-Dependent Multi-Scale Frameworks for Mechano-Thermo-Hygro- Visco and Damage Behaviors of Composite Materials and Structures	Structural Materials and Mechanics	Mechanics and Engineering Materials	С
Nasim	Uddin	University of Alabama, Birmingham	0825938	Composite Structural Insulated Panels (CSIPs) for Hazard Resistant Structures		Mechanics and Engineering Materials	D
Jialai	Wang	University of Alabama, Tuscaloosa	0927938	Characterization of Environment-Assisted Subcritical Debond of Bonded Repairs/Strengthening of Aging Infrastructure	Structural Materials and Mechanics	Mechanics and Engineering Materials	A
Guoliang	Huang	University of Arkansas, Little Rock	1037569	EAGER: Multifunctional Cellular Metacomposite: Low Frequency Noise Absorber and Energy Harvesting	Structural Materials and Mechanics	Mechanics and Engineering Materials	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Magnetic-Field-Dependent			
				Dynamic Mechanical			
				Behavior of Carbon			
				Nanotube Reinforced			
				Magnetostrictive			
				Nanocomposites: An		Mechanics and	
		University of		Integrated Experimental and	Structural Materials	Engineering	
Lizhi	Sun	California, Irvine	0800417	Modeling Study	and Mechanics	Materials	С
				Role of Chemical Bonding		Mechanics and	
				on Durability of Epoxy	Structural Materials	Engineering	
Elliot	Douglas	University of Florida	0653969	Adhesion to Mortar	and Mechanics	Materials	D
				Numerical and Evertine autol		Machanias and	
		Link consists of Illinois		Numerical and Experimental	Other cate and I Materials	Mechanics and	
0		University of Illinois,	4000000	Analysis of Earth-Based	Structural Materials	Engineering	_
Craig	Foster	Chicago	1030398	Structural Materials	and Mechanics	Materials	Α
				Functionally Graded			
				Concrete for The Civil		Mechanics and	
		Liniversity of Illinois		Infrastructure - A Multifunctional Material	Structural Materials		
1.44	Danalan	University of Illinois,	0000005			Engineering	
Jeffery	Roesler	Urbana-Champaign	0800805	System Approach	and Mechanics	Materials	В
		University of		Modeling the Design Limit	Other cate and I Materials	Mechanics and	
Danei	Olavatan	Massachusetts,	0000005	States of Structural	Structural Materials	Engineering	
Peggi	Clouston	Amherst	0826265	Composite Lumber	and Mechanics	Materials	С
				Collaborative Research:			
				Reconfiguring Steel			
		I laive weith cof		Structures: Energy		Mechanics and	
		University of		Dissipation and Buckling	Structural Materials		
0	A	Massachusetts,	4000004	Mitigation Through the Use		Engineering	
Sanjay	Arwade	Amherst	1000334	of Steel Foams	and Mechanics	Materials	D
		Liniversity of		GOALI: Dynamic Response	Ctructural Matarials	Mechanics and	
Alon	Argonto	University of	1000207	of Rigid, Foamed	Structural Materials	Engineering	
Alan	Argento	Michigan	1000307	Biocomposites	and Mechanics	Materials	A
		Liniversity of		Di lle Colf consina Conserts	Ctructural Matarials	Mechanics and	
V	V	University of	0050477	RUI: Self-sensing Concrete	Structural Materials	Engineering	
Xun	Yu	Minnesota, Duluth	0856477	Pavement	and Mechanics	Materials	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		University of		CAREER: Research and Education on Advanced Multiscale Modeling- Analysis of Roadway Materials, Mixtures, and	Structural Materials	Mechanics and Engineering	
Yong-Rak	Kim	Nebraska, Lincoln	0644618	Infrastructure Systems	and Mechanics	Materials	С
Rafiqul	Tarefder	University of New Mexico	0644047	CAREER: Characterization and Modeling of Asphalt Concrete for Moisture- Induced Damage	Structural Materials and Mechanics	Mechanics and Engineering Materials	D
Rafiqul	Tarefder	University of New Mexico	0900778	GOALI: Nanoscale Testing and Molecular Modeling of Aging in Asphalt	Structural Materials and Mechanics	Mechanics and Engineering Materials	A
Rafiqul	Tarefder	University of New Mexico	1005535	International Workshop on Energy and Environment in the Development of Sustainable Asphalt Pavements	Structural Materials and Mechanics	Mechanics and Engineering Materials	В
Maria	Juenger	University of Texas, Austin	0926627	Inorganic Polymers for Sustainable Civil Infrastructure	Structural Materials and Mechanics	Mechanics and Engineering Materials	С
Maria	Juenger	University of Texas, Austin	1030972	Collaborative Research: New Natural Supplementary Cementitious Materials for Concrete	Structural Materials and Mechanics	Mechanics and Engineering Materials	D
Marwan	Al-Haik	Virginia Polytechnic Institute and State University	0800249	Novel Structural Composites Using Surface Grown Carbon Nanotubes	Structural Materials and Mechanics	Mechanics and Engineering Materials	A

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
- instrume	24011141110	Organization	110111001	Orani Tino	i regram / mea	0.0.0.0.	Стопр
				CAREER: Next Generation			
		Virginia Polytechnic		Multifunctional Composites		Mechanics and	
		Institute and State		for Radiations and Impact	Structural Materials	Engineering	
Marwan	Al-Haik	University	0846589	Hazards Mitigation	and Mechanics	Materials	В
				EAGER: Preliminary		Mechanics and	
		Washington State		Analyses of Heat Storage in	Structural Materials	Engineering	
Liv	Haselbach	University	0948221	Pervious Concrete Systems	and Mechanics	Materials	С
	Tascibacii	Offiversity	0040221	Modeling of Natural Plant	and Medianios	Materials	
				Materials to Enable			
		Pennsylvania State		Performance Evaluation of		Mechanics and	
		University,		Environmentally Friendly	Structural Materials	Engineering	
Jelena	Srebric	University Park	0900486	Buildings	and Mechanics	Materials	D
-	0.000	Conversity Carre	0000100	EAGER: From Mechanics of		Mechanics and	
		William Marsh Rice		the Eshelby Twist to	Nano and Bio	Engineering	
Boris	Yakobson	University	0951145	Nanotube Chirality	Mechanics	Materials	Α
		,		,		<u>, </u>	
				Collaborative Research:			
				Analysis and Modeling of		Resilient and	
		Arizona State		Traffic Instabilities in	Civil Infrastructure	Sustainable	
Soyoung	Ahn	University	856699	Congested Traffic	Systems	Infrastructures	Α
				Callabarativa Dagaarab			
				Collaborative Research:			
				New Methods for			
		California		Measuring, Evaluating and		Decilient and	
		California		Predicting the Safety Impact	Ois il Indus stantations	Resilient and	
A	Danda	Polytechnic State	0007050	of Road Infrastructure	Civil Infrastructure	Sustainable	
Anurag	Pande	University	0927358	Systems on Driver Behavior	Systems	Infrastructures	В
				CAREER: Development of			
				an Integrated Framework for			
				Capturing, Modeling and		Resilient and	
		Carnegie Mellon		Visualizing the History of	Civil Infrastructure	Sustainable	
Burcu	Akinci	University	0448170	Construction Projects	Systems	Infrastructures	С
Duitu	AMITO	Chiversity	0440170	Toolisti delibir i Tojecta	Cysterns	mmastructures	

First Name	Last Name	Organization	Grant	Grant Title	Drogram Area	Chroton	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Development of a Spatial			
				Analysis Framework to		Resilient and	
		Carnegie Mellon		Predict Critical Segments of	Civil Infrastructure	Sustainable	
James	Garrett	University	0825964	Water Distribution Networks	Systems	Infrastructures	D
		,		Automating the Creation of		Resilient and	
		Carnegie Mellon			Civil Infrastructure	Sustainable	
Daniel	Huber	University	0856558	Models	Systems	Infrastructures	Α
				MRI: Acquisition of A High			
				Fidelity Driving Simulator To			
				Advance Interdisciplinary			
				Research and Education on			
				The Effects of Human		Resilient and	
		Case Western		Factors on Transportation	Civil Infrastructure	Sustainable	
Xiong	Yu	Reserve University	0923401	Safety	Systems	Infrastructures	В
		·		Financial Analysis and			
				Optimization for Linear			
				Scheduling Model of			
				Construction Projects with		Resilient and	
				Integrated Singularity	Civil Infrastructure	Sustainable	
Gunnar	Lucko	Catholic University	0927455	Functions	Systems	Infrastructures	С
				Vehicle-Infrastructure			
				Integration Enabled Plug-In		Resilient and	
				Hybrid Electric Vehicles for	Civil Infrastructure	Sustainable	
Mashrur	Chowdhury	Clemson University	0928744	Energy Management	Systems	Infrastructures	D
		Georgia Tech					
		Research					
		Corporation,				Resilient and	
		Georgia Institute of		Progressive Site Modeling	Civil Infrastructure	Sustainable	
Ioannis	Brilakis	Technology	0904109	with Videogrammetry	Systems	Infrastructures	Α
		Georgia Tech					
		Research					
		Corporation,				Resilient and	
		Georgia Institute of		Automated Vision Tracking	Civil Infrastructure	Sustainable	
Ioannis	Brilakis	Technology	0933931	of Project Related Entities	Systems	Infrastructures	В

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
FIISt Name	Last Name	Organization Georgia Tech	Nullibel	Grant Title	Program Area	Ciustei	Group
		Research		CAREER: Visual Pattern			
		Corporation,		Recognition Models for		Resilient and	
		Georgia Institute of		Remote Sensing of Civil	Civil Infrastructure	Sustainable	
loannis	Brilakis	Technology	0948415	Infrastructure	Systems	Infrastructures	С
TOUT IT IS	Dillattio	Georgia Tech	0040410	madradiae	Cyclomo	minastractares	$+$ $\overset{\smile}{-}$
		Research		SmartHat: Self-Monitoring,			
		Corporation,		Analysis, and Reporting		Resilient and	
		Georgia Institute of		Technology for Hazard	Civil Infrastructure	Sustainable	
Jochen	Teizer	Technology	0800858	Avoidance and Training	Systems	Infrastructures	D
				GOALI: Next Generation	-,		
		Georgia Tech		Active Safety Control			
		Research		Systems for Crash-			
		Corporation,		Avoidance of Passenger		Resilient and	
		Georgia Institute of		Vehicles Using Expert	Civil Infrastructure	Sustainable	
Panagiotis	Tsiotras	Technology	0727768	Driver Knowledge	Systems	Infrastructures	Α
				Construction Engineering			
				Conference: Opportunity			
				and Vision for Education,			
				Practice and Research;			
				Blacksburg, Virginia; 30		Resilient and	
		Iowa State		September through 2	Civil Infrastructure	Sustainable	
Edward	Jaselskis	University	1048358	October, 2010	Systems	Infrastructures	В
						Resilient and	
		James Madison		Collaborative Research:	Civil Infrastructure	Sustainable	
Chris	Koski	University	0924227	Critical Infrastructure Policy	Systems	Infrastructures	С
				Collaborative Research:			
				New Methods for			
				Measuring, Evaluating and			
		Louisiana State		Predicting the Safety Impact		Resilient and	
		University and		of Road Infrastructure	Civil Infrastructure	Sustainable	_
Vinayak	Dixit	AandM College	0927123	Systems on Driver Behavior	Systems	Infrastructures	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Toward More Reliable			
				Mobility: Improved Decision		Resilient and	
		Northwestern		Support Tools for	Civil Infrastructure	Sustainable	
Yu	Nie	University	0928577	Transportation Systems	Systems	Infrastructures	Α
		Pennsylvania State		Congestion Options: A		Resilient and	
		University,		Market Solution to	Civil Infrastructure	Sustainable	
Terry	Friesz	University Park	0824640	Congestion Externalities	Systems	Infrastructures	В
		Pennsylvania State		Stochastic Dynamic Game-		Resilient and	
		University,		Theoretic Models of Urban	Civil Infrastructure	Sustainable	
Terry	Friesz	University Park	0900040	Freight Systems	Systems	Infrastructures	С
•		·		Distributed Vehicular Traffic		Resilient and	
		University of		Management via DSRC-	Civil Infrastructure	Sustainable	
Michael	Zhang	California, Davis	0700383	Enabled Vehicles	Systems	Infrastructures	D
		,		Real-Time Distribution		Resilient and	
		University of		System Network Modeling	Civil Infrastructure	Sustainable	
Dominic	Boccelli	Cincinnati	0900713	and Fault Diagnosis	Systems	Infrastructures	A
				CAREER: Information			
				Mechanisms and Robust			
				Stabilization of Nonlinear,		Resilient and	
		University of Illinois,		Stochastic Transportation	Civil Infrastructure	Sustainable	
Yanfeng	Ouyang	Urbana-Champaign	0748067	Networks	Systems	Infrastructures	В
- cg		- Croania Grianipangii	0000.	CAREER: Interactive	C) etee		
				Process Visualization in			
				Virtual and Augmented			
				Reality for Innovative			
				Learning, Analysis, and		Resilient and	
		University of		Design of Field Construction	Civil Infrastructure	Sustainable	
Vineet	Kamat	Michigan	0448762	Operations	Systems	Infrastructures	С
VIIICOL	ramat	Wildingan	0440702	A Robust Method for	Cyclomo	minastractares	+
				Resolving Incorrect Visual			
				Occlusion in Dynamic			
				Augmented Reality		Resilient and	
		University of		Environments of Animated	Civil Infrastructure	Sustainable	
Vineet	Kamat	•	0825818			Infrastructures	D
virieet	เกลเแลเ	Michigan	0020018	Engineering Operations	Systems	imitastructures	U

First Name	Loof Nome	0	Grant	One we Title	D	Oliveten	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Context-Aware Information			
				Access for Rapid On-Site			
				Decision Making in			
				Construction, Maintenance,		Resilient and	
		University of		and Inspection of Civil	Civil Infrastructure	Sustainable	
Vineet	Kamat	Michigan	0927475	Infrastructure Systems	Systems	Infrastructures	Α
virieet	Namai	IVIICITIGATI	0927475	illiastructure Systems	Systems	Resilient and	^
		University of		Collaborative Research:	Civil Infrastructure	Sustainable	
Peter	May	Washington	0925306	Critical Infrastructure Policy	Systems	Infrastructures	С
i etei	Iviay	VVasilington	0323300	CAREER: Sustainable	Oysterns	Illiastiuctules	
		Virginia Polytechnic		Water Infrastructure		Resilient and	
		Institute and State		Management System	Civil Infrastructure	Sustainable	
Sunil	Sinha	University	0801018	(SWIMS)	Systems	Infrastructures	С
Odriii	Onna	Offiverally	0001010	A Comprehensive	Cyclema	minastractares	$+$ $\tilde{}$
		Virginia Polytechnic		Framework for the		Resilient and	
		Institute and State		Efficiency Measurement of	Civil Infrastructure	Sustainable	
Jesus	de la Garza	University	0726789	Road Maintenance	Systems	Infrastructures	l D
00000		- China Chang	0.20.00	CAREER: Reliability	Cycloc		
				Assessment and Risk			
				Mitigation Principles for		Resilient and	
		William Marsh Rice		Smart Interdependent	Civil Infrastructure	Sustainable	
Leonardo	Duenas Osorio	University	0748231	Infrastructure Systems	Systems	Infrastructures	Α
		,		,		Resilient and	
		University of		Theories of Multimodal	Civil Infrastructure	Sustainable	
Carlos	Daganzo	California, Berkeley	856193	Urban Mobility	Systems	Infrastructures	В
				GOALI/Collaborative			
				Research: The Integrity of			
				Geosynthetic Elements of			
				Waste Containment Barrier			
				Systems Subject to Large		Resilient and	
		Arizona State		Settlement and Seismic	Geotechnical	Sustainable	
Edward	Kavazanjian	University	0800873	Loading	Engineering	Infrastructures	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				EAGER: Shaking Table			
				Testing to Evaluate			
				Effectiveness of Vertical		Resilient and	
		Brigham Young		Drains for Liquefaction	Geotechnical	Sustainable	
Kyle	Rollins	University	1052645	Mitigation	Engineering	Infrastructures	D
				Collaborative Research:		Resilient and	
		Colorado School of		Coupled Flow Phenomena	Geotechnical	Sustainable	
Ning	Lu	Mines	0926276			Infrastructures	Α
				COLLABORATIVE	3 - 3		
				RESEARCH: Enhanced			
				Clay Membrane Barriers for		Resilient and	
		Colorado State		Sustainable Waste	Geotechnical	Sustainable	
Charles	Shackelford	University	0624104	Containment	Engineering	Infrastructures	В
		·		GOALI/Collaborative			
				Research: Benentonite-			
				Polymer Nanocomposites		Resilient and	
		Colorado State		for Geoenvironmental	Geotechnical	Sustainable	
Charles	Shackelford	University	0757815	Applications	Engineering	Infrastructures	С
				Collaborative Research:			
				Critical Assessment of		Resilient and	
		Colorado State		Coupled Flow Behavior in	Geotechnical	Sustainable	
Charles	Shackelford	University	0926205	Unsaturated Clay Barriers	Engineering	Infrastructures	D
				Collaborative Research:			
				Experimental and			
				Computational Investigation			
				of Consolidation-Induced			
				Contaminant Transport for		Resilient and	
		Colorado State		High Water Content Geo-	Geotechnical	Sustainable	
Charles	Shackelford	University	0969346	Materials	Engineering	Infrastructures	А
21101100	Chachonord	31	0000010	Quantifying the	gog	aot. dotaros	,,
				Fundamental Behavior of		Resilient and	
				Green Roofs in an Urban	Geotechnical	Sustainable	
Patricia	Culligan	Columbia University	0928604	Environment	Engineering	Infrastructures	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Multiscale Meshfree			
				Analysis of Failure in			
				Geostructures Founded on		Resilient and	
		George Washington		or Containing Liquefiable	Geotechnical	Sustainable	
Majid	Manzari	University	0825483	Soils	Engineering	Infrastructures	С
				Collaborative Research:			
				Development of a Fracture		Resilient and	
		Georgia Institute of		Processes Facility at	Geotechnical	Sustainable	
Leonid	Germanovich	Technology	0919497	DUSEL Homestake	Engineering	Infrastructures	D
				Collaborative Research:			
		Georgia Tech		Geoengineering Extreme			
		Research		Events Reconnaissance			
		Corporation,		(GEER) Association :		Resilient and	
		Georgia Institute of		Turning Disaster Into	Geotechnical	Sustainable	
J. David	Frost	Technology	0825507	Knowledge	Engineering	Infrastructures	Α
		Georgia Tech					
		Research		RAPID: Seismic			
		Corporation,		Performance Assessment of		Resilient and	
		Georgia Institute of		the Wharf and Pier at the	Geotechnical	Sustainable	
Glenn	Rix	Technology	1034793	Port de Port-au-Prince	Engineering	Infrastructures	В
				DIII Day is a Committee		D W	
				RUI: Pervious Concrete	Caataahniaal	Resilient and	
Maria ara a al	Out a instant	Labiah Hairanita	0007740		Geotechnical	Sustainable	
Muhannad	Suleiman	Lehigh University	0927743	Improvement Alternative	Engineering	Infrastructures	С
				RUI: Understanding the			
				Role of Flexible and Rigid		Resilient and	
				Barriers in Mitigating	Onataskaisal		
A sa i seba a sa	D-	Manhattan Callana	0000507	Surface Blast Effects on	Geotechnical	Sustainable	
Anirban	De	Manhattan College	0928537	Underground Structures	Engineering	Infrastructures	D
				GOALI: Dynamic Soil		Decilient and	
		No atheres at a ma		Properties - Effects of	O a ata alauda al	Resilient and	
D'al and	F	Northwestern	0750004	Construction-induced Stress		Sustainable	
Richard	Finno	University	0758304	Changes	Engineering	Infrastructures	Α

First Name	Last Name	Organization	Grant Number	Grant Title	Drogram Araa	Cluster	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Advancing the Capabilities		Resilient and	
		Northwestern		of Adaptive Management	Geotechnical	Sustainable	
Richard	Finno	University	0928184	Techniques in Geotechnics	Engineering	Infrastructures	В
rtionard	1 11110	Offiversity	0320104	recrimques in dedicernies	Linginiconing	Illiastractares	+ -
				Collaborative Research:			
		Texas AandM		Initial Wave Characteristics		Resilient and	
		Research		from Deformable Submarine	Geotechnical	Sustainable	
Robert	Weiss	Foundation	0928654	Landslides	Engineering	Infrastructures	С
1100011	110.00	- Caridation	0020001	Identifying and Modeling	Linginiooning	Resilient and	+ -
				Complex Site Response	Geotechnical	Sustainable	
Laurie	Baise	Tufts University	1000210	Behavior	Engineering	Infrastructures	D
		- i unito cimi ci ciny		Exploration of the			
				Mechanisms Controlling			
				Emulsion-Based Alkalinity		Resilient and	
				Release during Subsurface	Geotechnical	Sustainable	
C. Andrew	Ramsburg	Tufts University	1000714	Remediation	Engineering	Infrastructures	Α
		·		EAGER: Use of Results			
				from the Undrain Triaxial			
				Tests to Model Elasto-			
				plastic Behavior for		Resilient and	
		University of		Unsaturated soils: A	Geotechnical	Sustainable	
Xiong	Zhang	Alaska, Fairbanks	1054532	Feasibility Study	Engineering	Infrastructures	В
				Collaborative Research:			
				Geoengineering Extreme			
				Events Reconnaissance			
				(GEER) Association:		Resilient and	
		University of		Turning Disaster Into	Geotechnical	Sustainable	
Jonathan	Bray	California, Berkeley	0825734	Knowledge	Engineering	Infrastructures	С
				RAPID: Geotechnical			
				Engineering			
				Reconnaissance of the M		Resilient and	
		University of		8.8 Chile Earthquake of	Geotechnical	Sustainable	
Jonathan	Bray	California, Berkeley	1034831	February 27, 2010	Engineering	Infrastructures	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				GOALI/Collaborative			
				Research: The Integrity of			
				Geosynthetic Elements of			
				Waste Containment Barrier			
		University of		Systems Subject to Large		Resilient and	
		California, San		Settlement and Seismic	Geotechnical	Sustainable	
Patrick	Fox	Diego	1036870	Loading	Engineering	Infrastructures	Α
						Resilient and	
		University of		Soil Structure Interaction in	Geotechnical	Sustainable	
John	McCartney	Colorado, Boulder	0928159	Geothermal Foundations	Engineering	Infrastructures	В
				CAREER: Impact of			
				Liquefaction-Induced Water			
				Layers on Forward and		Resilient and	
		University of Illinois,		Inverse Geoengineering	Geotechnical	Sustainable	
Scott	Olson	Urbana-Champaign	0846449	Analyses	Engineering	Infrastructures	С
				DADID: On a street Amelyoric of			
		11.2		RAPID: Spectral Analysis of		D	
		University of		Sub-Track Accelerations	O a standardard	Resilient and	
0 - 40 -		Massachusetts,	0050000	Subjected to Long Term	Geotechnical	Sustainable	
Carlton	Но	Amherst	0956960	Heavy Axle Load Conditions	Engineering	Infrastructures	D
				Landslide and Debris-flow		Daailiantand	
	NA1	11.1		Induced Static and Dynamic		Resilient and	
Data	Mackenzie-	University of	0000040	Loads on Protective	Geotechnical	Sustainable	
Peter	Helnwein	Washington	0900318	Structures	Engineering	Infrastructures	A
				CAREER: Determination of			
		Visit Delice Lea		Performance-Based		D	
		Virginia Polytechnic		Earthquake Engineering	O a ata ah mis al	Resilient and	
D		Institute and State	0000050	Parameters using	Geotechnical	Sustainable	
Russell	Green	University	0962952	Paleoseismic Techniques	Engineering	Infrastructures	В
		Virginia Polytechnic		Energy-based Approach for		Resilient and	
		Institute and State		Evaluating and Mitigating	Geotechnical	Sustainable	
Russell	Green	University	1030564	Liquefaction Potential	Engineering	Infrastructures	С
เรนออยแ	Gleen	Offiversity	1030304	Liquetaction Potential	Ludineening	minastructures	U

F:			Grant	0 174			Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		Virginia Polytechnic Institute and State		The Use of Energy Piles for	Geotechnical	Resilient and Sustainable	
Guney	Olgun	University	0928807	Sustainable Energy	Engineering	Infrastructures	D
Swaminathan	Krishnan	California Institute	0926962	Quantifying the Risk Posed to Tall Steel Frame Buildings in Southern	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	A
Owaniinatrian	Misiman	or reclinology	0920302	Probabilistic Fatigue Life Prediction and Risk Assessment of Aging	Hazard Mitigation and	Resilient and Sustainable	
Yongming	Liu	Clarkson University	0900111	Bridges in Cold Regions	Structural Engineering	Infrastructures	В
Bogusz	Bienkiewicz	Colorado State University	0700888	Investigation of Discrepancies in Laboratory Wind Loading Modeling and Development of Standardized Wind Tunnel Testing Protocol for Low Buildings	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	С
Suren	Chen	Colorado State University	0900253	Reliability-Based Analysis and Design Loads For Slender Long-Span Bridges	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	D
Caron	CHOIL	Oniversity	0000200	Reliability and Safety of Suspension Bridge Cables Using Continuous Health	Hazard Mitigation and	Resilient and Sustainable	
George	Deodatis	Columbia University	0928129	Monitoring Data	Structural Engineering	Infrastructures	Α
Haim	Wajaman	Columbia University	0056464	Collaborative Research: Blast Resistance of Polyurea-Steel Composite Structures for Infrastructure	Hazard Mitigation and	Resilient and Sustainable	D
Haim	Waisman	Columbia University	0856161	Protection	Structural Engineering	Infrastructures	В

			Grant			.	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Life-Cycle Damage and			
				Downtime Cost Estimates		Resilient and	
				for Structural Systems	Hazard Mitigation and	Sustainable	
Mircea	Grigoriu	Cornell University	0925714	Subjected to Seismic Loads	Structural Engineering	Infrastructures	С
	Ĭ	Í		Spatial Variability Effects on	Ŭ	Resilient and	
				the Seismic Response of	Hazard Mitigation and	Sustainable	
Aspasia	Zerva	Drexel University	0900179	RC Highway Bridges	Structural Engineering	Infrastructures	D
		Earthquake				Resilient and	
		Engineering			Hazard Mitigation and	Sustainable	
Jay	Berger	Research Institute	0758529	Learning From Earthquakes	Structural Engineering	Infrastructures	А
				Measurement and			
				Characterization of			
				Hurricane Wind Loads on		Resilient and	
		Florida Institute of			Hazard Mitigation and	Sustainable	
Jean-Paul	Pinelli	Technology	0625124	Sensing Networking System	Structural Engineering	Infrastructures	В
ocan r aar	1 1110111	resimology	0020121	CAREER: Multi-Scale	Otractarar Eriginoching	Resilient and	
		Florida International		Computational Evaluation of	Hazard Mitigation and	Sustainable	
Girma	Bitsuamlak	University	0846811	Wind Load on Buildings	Structural Engineering	Infrastructures	С
				Development of Effective			
				Approaches to the Large-	LI INDEE C	Resilient and	
A	Ob accellance	Florida International	0000740	Scale Aerodynamic Testing	Hazard Mitigation and	Sustainable	
Arindam	Chowdhury	University	0928740	of Low-Rise Buildings	Structural Engineering	Infrastructures	D
		Georgia Tech Research		Collaborative Research:			
		Corporation,		Machine Vision Enhanced		Resilient and	
		Georgia Institute of		Post Earthquake Inspection	Hazard Mitigation and	Sustainable	
Reginald	DesRoches	Technology	1000700	and Rapid Loss Estimation	Structural Engineering	Infrastructures	Α
reginala	Dograding	Toomology	1000700	CAREER: Advanced	Chactara Engineering	imadiadada	
				Acceleration Control			
				Methods and Substructure		Resilient and	
		Johns Hopkins		Techniques for Shaking	Hazard Mitigation and	Sustainable	
Narutoshi	Nakata	University	0954958	Table Tests	Structural Engineering	Infrastructures	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		Lawrence		CAREER: Effect of Fire		Resilient and	
		Technology		Loads on the Performance	Hazard Mitigation and	Sustainable	
Elin	Jensen	University	0747775	of Structural Concrete	Structural Engineering	Infrastructures	С
				Collaborative Research:			
				Development of a Blast and			
				Ballistic Resistant Precast		Resilient and	
				Concrete Armored Wall	Hazard Mitigation and	Sustainable	
Clay	Naito	Lehigh University	1030812	System	Structural Engineering	Infrastructures	D
				Investigation and Damage			
				Mitigation of Low-lying			
		Louisiana State		Coastal Bridges under		Resilient and	
		University and		Hurricane-induced Wind	Hazard Mitigation and	Sustainable	
Steve C.S.	Cai	AandM College	0927824	and Wave Actions	Structural Engineering	Infrastructures	Α
				Collaborative Research:			
				Damage Compliant Inelastic			
				Design Parameters for			
				Performance-Based-		Resilient and	
		Michigan State		Seismic-Design of Slender	Hazard Mitigation and	Sustainable	
Rigoberto	Burgueno	University	1000549	RC Columns	Structural Engineering	Infrastructures	В
				Guidelines for Enhancing		Resilient and	
		Michigan State		Fire Endurance of High	Hazard Mitigation and	Sustainable	
Venkatesh	Kodur	University	0601178	Strength Concrete Columns	Structural Engineering	Infrastructures	С
				Collaborative Research: Fire		D ''' ()	
				Engineering Guidelines for	1.1. 1.84%	Resilient and	
		Michigan State		the Design of Steel Beam-	Hazard Mitigation and	Sustainable	
Venkatesh	Kodur	University	0652292	Columns	Structural Engineering	Infrastructures	D
				Collaborative Research:			
				Guidelines for the Design of		.	
				Steel Shear Angle		Resilient and	
		Michigan State		Connections Under Fire	Hazard Mitigation and	Sustainable	
Venkatesh	Kodur	University	0757900	Hazard	Structural Engineering	Infrastructures	Α

		Grant				Poster
Last Name	Organization	Number				Group
	_					
Kodur	University	0758409	Building Floor Systems	Structural Engineering	Infrastructures	В
			US/India Workshop			
			•		Resilient and	
	Michigan State			Hazard Mitigation and		
Kodur	_	0829444				С
	- Cimronony	0020111		on dotarar Engineering		
			Fire Endurance of FRP-		Resilient and	
	Michigan State		Strengthened Reinforced	Hazard Mitigation and	Sustainable	
Kodur	University	0855820	Concrete Beams	Structural Engineering	Infrastructures	D
			•			
			·	_	Sustainable	
Chen	Technology	0825942		Structural Engineering	Infrastructures	Α
			·	· ·		
Bernal	University	1000391	Distributions	Structural Engineering	Infrastructures	В
			A probability-based			
					Positiont and	
	Northeastern					
Caracoglia		0600575	•	· ·		С
Caracoglia	Offiversity	0000373		Structural Engineering	illiastructures	
					Resilient and	
	Northeastern			Hazard Mitigation and		
Caracoglia		0844977		_		D
	Kodur Kodur Kodur Chen Bernal Caracoglia	Michigan State University Michigan State University Michigan State University Missouri University of Science and Technology Northeastern University Northeastern University Northeastern University	Michigan State University Michigan State University Michigan State University Michigan State University Missouri University of Science and Technology Northeastern University Northeastern University O600575 Northeastern University	Kodur University 0758409 Collaborative Research: Fire Behavior and Design of Building Floor Systems US/India Workshop: Enhancing the Resilience of Built Infrastructure; Chennai, India; December 2008 Guidelines for Enhancing Fire Endurance of FRP-Strengthened Reinforced Concrete Beams Kodur University 0855820 Concrete Beams Kodur University of Science and Chen Technology 0825942 Tolerant Monitoring System Northeastern University 1000391 Distributions Caracoglia University 0600575 CAREER: An Innovative Performance-Based Simulation Framework for High-Rise Buildings against	Collaborative Research: Fire Behavior and Design of Building Floor Systems Wichigan State University Wissouri University O855820 Wissouri University Wissouri University O855820 Wissouri University O855820 Wissouri University Wissouri University Of Science and Technology Wissouri University Aprobability-based methodology for the analysis of fluctuating wind loads on University Wortheastern University O600575 CAREER: An Innovative Performance Based Simulation Framework for High-Rise Buildings against Wortheastern Hazard Mitigation and Structural Engineering CAREER: An Innovative Performance Cased Simulation Framework for High-Rise Buildings against	Kodur University 0758409 Collaborative Research: Fire Behavior and Design of Behavior and Design of Structural Engineering University 0758409 University 0758409 University 0829444 University 0829444 University 085820 Concrete Beams Structural Engineering University of Science and Chen Technology 0825942 Technology 0825942 Aproach Infrastructures Demand University 0829444 University of Science and Chen Technology 0825942 Aproach Infrastructures Demand University 0825820 Concrete Beams Demand University of Science Beams Demand University of Science Beams Demand University Ones Demanded Design of Behavior and Design of Science Beams Demand University Ones Demanded

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: Particle Finite			
				Element Response		Resilient and	
		Oregon State		Sensitivity Analysis of Fluid-	Hazard Mitigation and	Sustainable	
Michael	Scott	University	0847055	Structure Interaction	Structural Engineering	Infrastructures	Α
				Nonlinear Model Updating			
				Using Ambient Responses		Resilient and	
				For Damage Diagnosis In	Hazard Mitigation and	Sustainable	
Shirley	Dyke	Purdue University	1002641	Concrete Structures	Structural Engineering	Infrastructures	В
				Man-made Hazard			
				Mitigation of Reservoir			
				Dams: Monte Carlo			
				Simulation with Multiscale			
				Modeling of Concrete and		Resilient and	
		Rensselaer		Accurate Fluid-Structure	Hazard Mitigation and	Sustainable	
Gianluca	Cusatis	Polytechnic Institute	0928448	Interaction	Structural Engineering	Infrastructures	С
				A Comprehensive Approach			
				for Incorporating the Effects		Resilient and	
				of Near-Fault Directivity into	Hazard Mitigation and	Sustainable	
Jack	Baker	Stanford University	0726684	Design Criteria	Structural Engineering	Infrastructures	D
				Decentralized Structural			
				Control Strategies with		Resilient and	
				Wireless Sensing and	Hazard Mitigation and	Sustainable	
Kincho	Law	Stanford University	0824977	Actuation	Structural Engineering	Infrastructures	Α
				Vibration Control of Tall			
		State University of		Buildings Using Electricity		Resilient and	
		New York, Stony		Generating Tuned Mass	Hazard Mitigation and	Sustainable	
Lei	Zuo	Brook	1031038	Dampers	Structural Engineering	Infrastructures	В
				CAREER: Irregular			
				Environmental Loading and		Resilient and	
		Texas AandM		Response of Offshore	Hazard Mitigation and	Sustainable	
John	Sweetman	University	0448730	Structures	Structural Engineering	Infrastructures	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Documenting the			
				Engineering-Relevant		Resilient and	
		Texas Tech		Aspects of Extreme	Hazard Mitigation and	Sustainable	
John	Schroeder	University	1000160	Thunderstorm Winds	Structural Engineering	Infrastructures	D
				Development of Functionally			
				Graded Protective Systems		Resilient and	
		University at		for Attenuation of Blast	Hazard Mitigation and	Sustainable	
Amjad	Aref	Buffalo, SUNY	0900338	Loading	Structural Engineering	Infrastructures	Α
				CAREER: Hybrid Simulation			
				Platform for Seismic			
				Performance Evaluation of		Resilient and	
		University at		Structures Through	Hazard Mitigation and	Sustainable	
Gilberto	Mosqueda	Buffalo, SUNY	0748111	Collapse	Structural Engineering	Infrastructures	В
				CAREER: Impact			
				Resistance and Structural			
				Health Monitoring of		Resilient and	
		University of		Bistable Composite	Hazard Mitigation and	Sustainable	
Valeria	LaSaponara	California, Davis	0642814	Structures	Structural Engineering	Infrastructures	С
				Performance-Based Design			
				and Assessment of		Resilient and	
		University of		Buildings under Extreme	Hazard Mitigation and	Sustainable	
Abbie	Liel	Colorado Boulder	0926680	Snow Loads	Structural Engineering	Infrastructures	D
				Full-Scale and Modeled		Resilient and	
				Hurricane Wind Loads on	Hazard Mitigation and	Sustainable	
Kurtis	Gurley	University of Florida	0928563	Residential Structures	Structural Engineering	Infrastructures	Α
				An Integrated Platform for		Resilient and	
		University of Illinois,		Validated Prediction of	Hazard Mitigation and	Sustainable	
Junho	Song	Urbana-Champaign	1000666	Collapse of Structures	Structural Engineering	Infrastructures	В
				Innovative Self-Centering		Resilient and	
		University of Illinois,		Braces for Advanced	Hazard Mitigation and	Sustainable	
Larry	Fahnestock	Urbana-Champaign	0856555	Seismic Performance	Structural Engineering	Infrastructures	С
						Resilient and	
		University of		A New Passive-Active	Hazard Mitigation and	Sustainable	
Faramarz	Gordaninejad	Nevada, Reno	0900780	Isolator	Structural Engineering	Infrastructures	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Erin	Bell	University of New Hampshire	0644683	CAREER: Integrating Structural Health Monitoring, Intelligent Transportation Systems and Model Updating into a Bridge Condition Assessment Framework	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	A
	Dell	Паттрыте	0044003	Tamework	Structural Engineering	illiastructures	
Ahsan	Kareem	University of Notre Dame	0601143	Performance Evaluation of Tall Buildings Under Winds: From Predictive Methods to Laboratory and Full-Scale Measurements	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	В
				VORTEX-Winds: A Virtual			
Abassa	Wana a m	University of Notre	0740404	Organization for Reducing the Toll of EXtreme Winds	Hazard Mitigation and	Resilient and Sustainable	
Ahsan	Kareem	Dame	0742191	on Society Advanced Aeroelastic	Structural Engineering	Infrastructures	С
Ahsan	Kareem	University of Notre	0928282	Analysis Framework for Cable-Supported Bridges under Turbulent Winds	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	D
						Resilient and	
Yahya	Kurama	University of Notre Dame	0800356	RC Bearing Walls Subjected to Elevated Temperatures	Hazard Mitigation and Structural Engineering	Sustainable Infrastructures	А
		University of Notre		Evaluation of Ground Motion Scaling Methods for Nonlinear Analysis of	Hazard Mitigation and	Resilient and Sustainable	
Yahya	Kurama	Dame	0928662	Structural Systems	Structural Engineering	Infrastructures	В
				Probabilistic Sensitivity Analysis for Seismic Risk Based on Stochastic Sampling and Focusing on		Resilient and	
Alexandros	Taflanidis	University of Notre Dame	1030726	Stochastic Ground Motion Modeling	Hazard Mitigation and Structural Engineering	Sustainable Infrastructures	С
AICXAHUIUS	i alialiluis	Danie	1030720	INIOGEIIIIG		mmastructures	

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Hazard Mitigation of Water			
				Mains by Means of		Resilient and	
		University of		Immersed Active/Passive	Hazard Mitigation and	Sustainable	
Piervincenzo	Rizzo	Pittsburgh	1029457	Inspection Systems	Structural Engineering	Infrastructures	D
				Controlled Substructure		Resilient and	
		University of		Identification for Structural	Hazard Mitigation and	Sustainable	
Erik	Johnson	Southern California	0826634	Health Monitoring	Structural Engineering	Infrastructures	Α
				Elevated Temperature		Resilient and	
		University of Texas,		Performance of Beam End	Hazard Mitigation and	Sustainable	
Michael	Engelhardt	Austin	0700682	Framing Connections	Structural Engineering	Infrastructures	В
						Resilient and	
		University of Texas,		Creep Buckling of Steel	Hazard Mitigation and	Sustainable	
Michael	Engelhardt	Austin	0927819	Columns Subjected to Fire	Structural Engineering	Infrastructures	С
				Elevated Temperature			
				Performance of Shear		Resilient and	
		University of Texas,		Connectors for Composite	Hazard Mitigation and	Sustainable	
Michael	Engelhardt	Austin	1031099	Beams	Structural Engineering	Infrastructures	D
				CAREER: Model-Based			
				Simulation of Wind Turbine			
				Inflow Turbulence and			
				Design Loads: An		Resilient and	
		University of Texas,		Integrative Plan for	Hazard Mitigation and	Sustainable	
Lance	Manuel	Austin	0449128	Research and Learning	Structural Engineering	Infrastructures	Α
				An Offshore Wind Energy			
				Design Challenge: The			
				Influence of Wind and Wave			
				Load Combinations on the		Resilient and	
		University of Texas,		Extreme Response of Wind	Hazard Mitigation and	Sustainable	
Lance	Manuel	Austin	0727989	Turbines	Structural Engineering	Infrastructures	В
				Collaborative Research:		Resilient and	
		University of		Structural Integrity of Steel	Hazard Mitigation and	Sustainable	
Jeffrey	Berman	Washington	1000926	Gravity Framing Systems	Structural Engineering	Infrastructures	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Blast Resistance of			
				Polyurea-Steel Composite		Resilient and	
		Vanderbilt		Structures for Infrastructure	Hazard Mitigation and	Sustainable	
Caglar	Oskay	University	0856168	Protection	Structural Engineering	Infrastructures	D
				MRI: Acquisition of an			
				Infrastructure for Real-Time	Infrastructure	Resilient and	
		Colorado State		Testing of Wind Effects on	Management and	Sustainable	
Bogusz	Bienkiewicz	University	0521046	Structures	Extreme Events	Infrastructures	Α
					Infrastructure	Resilient and	
		Colorado State		Dynamics of Hurricane Risk	Management and	Sustainable	
Craig	Trumbo	University	0856227	Perception	Extreme Events	Infrastructures	В
				MRI: Acquisition of			
				Instrumentation to Create a			
				Transformative Large- and			
				Full-Scale Wind Testing			
				Capability in Support of			
				Sustainable Windstorm-	Infrastructure	Resilient and	
		Florida International		Resilient, Energy-Efficient	Management and	Sustainable	
Arindam	Chowdhury	University	0923365	Communi	Extreme Events	Infrastructures	С
					Infrastructure	Resilient and	
		Johns Hopkins		Modeling Building Downtime	Management and	Sustainable	
Judith	Mitrani-Reiser	University	0826365	Due to Hurricane Impacts	Extreme Events	Infrastructures	D
				Preparing Cities for Climate			
		Massachusetts		Change: An International	Infrastructure	Resilient and	
		Institute of		Comparative Assessment of	Management and	Sustainable	
JoAnn	Carmin	Technology	0926349	Urban Adaptation Planning	Extreme Events	Infrastructures	Α
		<u>.</u>		Enabling the Next	Infrastructure	Resilient and	
		North Carolina		Generation of Hazards and	Management and	Sustainable	
Thomas	Birkland	State University	0758484	Disasters Researchers	Extreme Events	Infrastructures	В
				Small Business Demise and	Infrastructure	Resilient and	
				Recovery After a Natural	Management and	Sustainable	
Maria	Marshall	Purdue University	0856221	Disaster	Extreme Events	Infrastructures	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: Assessment of			
				Infrastructure Risk Under			
				Natural Disasters in a	Infrastructure	Resilient and	
				Multiscale Probabilistic	Management and	Sustainable	
Jack	Baker	Stanford University	0952402	Framework	Extreme Events	Infrastructures	D
				Developing A Living			
		Texas AandM		Laboratory" for Examining	Infrastructure	Resilient and	
		Research		Community Recovery and	Management and	Sustainable	
Shannon	Van Zandt	Foundation	0928926	Resilience After Disaster"	Extreme Events	Infrastructures	Α
				Agent-Based Modeling for			
				Planning Emergency			
				Response to Contamination	Infrastructure	Resilient and	
		Texas Engineering		Emergencies in Water	Management and	Sustainable	
Emily	Zechman	Experiment Station	0927739	Utilities	Extreme Events	Infrastructures	В
				RAPID Collaborative			
				Research: Identification of			
				Key Dynamics for Optimal			
				Distribution and Sustainable	Infrastructure	Resilient and	
		University at		Partnership in Haitian	Management and	Sustainable	
Jun	Zhuang	Buffalo, SUNY	1034730	Disaster Recovery	Extreme Events	Infrastructures	С
				Data Integration and Model			
				Development to Mitigate	Infrastructure	Resilient and	
		University of		Urban Flooding Hazards	Management and	Sustainable	
Brett	Sanders	California, Irvine	0825165	Linked to Sea Level Rise	Extreme Events	Infrastructures	D
Diett	Caracio	Camorria, irvino	0020100	Ellined to Ged Level Mise	Extreme Events	minastractares	
				RAPID: Recovery Process	Infrastructure	Resilient and	
		University of		and Progress Following the	Management and	Sustainable	
Abbie	Liel	Colorado Boulder	0961916	2009 L'Aquila Earthquake	Extreme Events	Infrastructures	Α
		50.0.000 500.001	5551010	RAPID: Temporary Housing			1
				Planning and Early			
				Implementation in the	Infrastructure	Resilient and	
		University of		January 12, 2010 Haiti	Management and	Sustainable	
Kathleen	Tierney	Colorado, Boulder	1034861	Earthquake	Extreme Events	Infrastructures	В
Naulicell	Пешей	Colorado, Douldei	1004001	Lattiquake	LVIIGILIC FACILIO	iiiiiasiiuciuies	ט

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Building Emergency	Infrastructure	Resilient and	
		University of		Evacuation: Innovative	Management and	Sustainable	
Peter	Luh	Connecticut	1000495	Modeling and Optimization	Extreme Events	Infrastructures	С
				Collaborative Research:			
				Knowledge, Attitudes and			
				Behavioral Intentions of			
				Essential Personnel with	Infrastructure	Resilient and	
				Respect to Avian Influenza	Management and	Sustainable	
Kristine	Qureshi	University of Hawaii	0653240	and SARS	Extreme Events	Infrastructures	D
				Diamaina fan Danasht			
				Planning for Drought	laterate at a	Desilientes	
					Infrastructure	Resilient and	
		University of Illinois,			Management and	Sustainable	
Ximing	Cai	Urbana-Champaign	0825654	,	Extreme Events	Infrastructures	Α
				New Approaches to	Infrastructure	Resilient and	
		University of Illinois,			Management and	Sustainable	
Sheldon	Jacobson	Urbana-Champaign	0900226		Extreme Events	Infrastructures	В
				9	Infrastructure	Resilient and	
		University of Illinois,		Evaluating the Post-Disaster		Sustainable	
Robert	Olshansky	Urbana-Champaign	0758310	Planning Process	Extreme Events	Infrastructures	С
				Risk-informed Management			
				and Post-disaster			
				Operations of Lifeline			
				I .	Infrastructure	Resilient and	
		University of Illinois,		Condition-based System	Management and	Sustainable	
Junho	Song	Urbana-Champaign	1031318	Reliability Analysis	Extreme Events	Infrastructures	D
Garino	Joonig		1001010	·	Infrastructure	Resilient and	
		University of		_	Management and	Sustainable	
Nikolaos	Katopodes	Michigan	0856438	Infrastructure Systems	Extreme Events	Infrastructures	A
ININUIAUS	Γλαιυμούσο	IVIIGIIIgaii	0000430	BRIDGE: Behavioral	EVILEILIE FAGIIIS	minastructures	 ^
		University of			Infrastructure	Resilient and	
		Minnesota, Twin		Response to the I-35W Disruption: Gauging	Management and	Sustainable	
Honny	Lin	Cities	0825768		Extreme Events		В
Henry	Liu	Cities	0020708	Equilibration	Extreme Events	Infrastructures	

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Modeling the Efficacy of			
				Inventory for Extreme Event			
				Preparedness Decision	Infrastructure	Resilient and	
		University of			Management and	Sustainable	
Kash	Barker	Oklahoma	0927299	Systems	Extreme Events	Infrastructures	С
				Interdependent Response of			
				Complex Urban	Infrastructure	Resilient and	
		William Marsh Rice			Management and	Sustainable	
Leonardo	Duenas Osorio	University	0728040	Multiple Hazards	Extreme Events	Infrastructures	D
				IT-Enabled Continuous Risk			
				Assessment of Bridge			
		l		Networks for Customized	Infrastructure	Resilient and	
		William Marsh Rice			Management and	Sustainable	
Jamie	Padgett	University	0928493	Interventions	Extreme Events	Infrastructures	Α
		l		Building Emergency	Infrastructure	Resilient and	
		University of			Management and	Sustainable	_
Peter	Luh	Connecticut	1000495	Modeling and Optimization	Extreme Events	Infrastructures	В
				Collaborative Research:			
				Informal Online			
		l		Communication in Crises			
		University of		and Disaster Events:	Infrastructure	Resilient and	
		Colorado, Colorado	4004		Management and	Sustainable	
Jeannette	Sutton	Springs	1031779	Dynamics	Extreme Events	Infrastructures	С
				NEESR-SG: High-fidelity			
				site characterization by			
				experimentation, field		Resilient and	
		Carnegie Mellon		observation, and inversion-		Sustainable	_
Jacobo	Bielak	University	0619078	based modeling	NEES Research	Infrastructures	D
				NAVA di alta casa di alta cass			
		F		Workshops to Identify		D. Clinate of	
		Earthquake		Research Needs Emerging		Resilient and	
		Engineering		from the 2010 Haiti and	l	Sustainable	
Jay	Berger	Research Institute	1045037	Chile Earthquakes	NEES Research	Infrastructures	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		Georgia Tech					
		Research					
		Corporation,				Resilient and	
		Georgia Institute of		NEESR-GC: Seismic Risk		Sustainable	
Glenn	Rix	Technology	0530478	Mitigation for Port Systems	NEES Research	Infrastructures	В
				NEESR Payload:			
				Characterization of Dynamic		Resilient and	
		Iowa State		Soil-Pile Interaction by		Sustainable	
Jeramy	Ashlock	University	0936627		NEES Research	Infrastructures	С
Coramy	7 tornioon	Grin volum	0000021	NEESR-CR: Enabling	11220 1100001011	i i i dotti dottaroo	
				Performance-Based			
				Seismic Design of Multi-		Resilient and	
		Johns Hopkins		Story Cold-Formed Steel		Sustainable	
Benjamin	Schafer	University	1041578		NEES Research	Infrastructures	D
2011,0111111				NEESR-II: Inelastic Web			
				Crushing Performance		Resilient and	
		Michigan State		Limits of High-Strength-		Sustainable	
Rigoberto	Burgueno	University	0530634		NEES Research	Infrastructures	Α
		·		NEESR-II: Toward Rapid		Resilient and	
		Portland State		Return to Occupancy in		Sustainable	
Peter	Dusicka	University	0830414	Unbraced Steel Frames	NEES Research	Infrastructures	В
				NEESR Payload: Fiber			
				Optic Method for Buried			
				Pipelines Health			
				Assessment after		Resilient and	
				Earthquake-Induced Ground		Sustainable	
Branko	Glisic	Princeton University	0936493	Movement	NEES Research	Infrastructures	С
				NEESR-SG: Performance-			
				Based Design and Real-			
				time Large-scale Testing to			
				Enable Implementation of		Resilient and	
				Advanced Damping		Sustainable	
Shirley	Dyke	Purdue University	1011534	Systems	NEES Research	Infrastructures	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				NEESR-II: Advanced Site			
				Monitoring and Effective			
				Characterization of Site			
				Nonlinear Dynamic		Resilient and	
		Rensselaer		Properties and Model		Sustainable	
Mourad	Zeghal	Polytechnic Institute	0830325	Calibration	NEES Research	Infrastructures	Α
				NEESR Payload:			
				Dissipation of Long-Wave			
				Energy by Discontinuous			
				Macro-Roughness		Resilient and	
		Texas AandM		Representing Forested		Sustainable	
Jennifer	Irish	University	0936595	Areas	NEES Research	Infrastructures	В
				NEESR-CR: Multi-Scale,			
				Mechanistic Fracture			
				Prediction and Optimal			
				Panel Zone Participation in		Resilient and	
		Texas Engineering		Steel Moment Frame		Sustainable	
Gary	Fry	Experiment Station	0936599	Buildings	NEES Research	Infrastructures	С
				NEESR Payload:			
				Determining the Added			
				Hazard Potential of			
				Tsunamis by Interaction with		Resilient and	
		Texas Engineering		Ocean Swell and Wind		Sustainable	
James	Kaihatu	Experiment Station	0936579	Waves	NEES Research	Infrastructures	D
				NEESR-SG: Performance-			
				Based Design of Squat		Resilient and	
		University at		Reinforced Concrete Shear		Sustainable	
Andrew	Whittaker	Buffalo, SUNY	0829978	Walls	NEES Research	Infrastructures	Α
				NEESR-CR: NEESsoft-			
				Seismic Risk Reduction for		Resilient and	
		University of		Soft-Story, Wood frame		Sustainable	
John	van de Lindt	Alabama	1041631	Buildings	NEES Research	Infrastructures	В

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
1 Hot Hamo	Last Hamo	Organization	Italiisoi	Grant Thio	i rogram / trou	O luctor	Отопр
				NEESR-SG: Seismic		Resilient and	
		University of		Performance Assessment in		Sustainable	
Jonathan	Bray	California, Berkeley	0830331	Dense Urban Environments	NEES Research	Infrastructures	С
				NEESR-CR: Design of Soil			
				and Structure Compatible		Resilient and	
		University of		Yielding to Improve System		Sustainable	
Bruce	Kutter	California, Davis	0936503	Performance	NEES Research	Infrastructures	D
		University of		NEESR-II: A Seismic Study		Resilient and	
		California, San		of Wind Turbines for		Sustainable	
Ahmed	Elgamal	Diego	0830422	Renewable Energy	NEES Research	Infrastructures	Α
				NEESR-SD: Development			
				of a Real-Time Multi-Site		Resilient and	
		University of		Hybrid Testing Tool for		Sustainable	
Richard	Christenson	Connecticut	0830235	NEES	NEES Research	Infrastructures	В
				NEESR-SG: Soil			
				Improvement Strategies to			
				Mitigate Impact of Seismic			
				Ground Failures via Novel		Resilient and	
0	Olasas	University of Illinois,	0700007	Integration of Experiment	NEEC Decemb	Sustainable	
Scott	Olson	Urbana-Champaign	0723697	and Simulation NEESR-CR: Assessment of	NEES Research	Infrastructures	С
				Punching Shear			
				Vulnerability of Slab-Column		Resilient and	
		University of		Connections with Shear		Sustainable	
Gustavo	Parra-Montesinos	Michigan	0936519	Stud Reinforcement	NEES Research	Infrastructures	D
Custavo	T dira Montooillos	Mishigan	3300013	NEESR-GC: Simulation of	TILLO ROSCATOR	Resilient and	
		University of		the Seismic Performance of		Sustainable	
Emmanuel	Maragakis	Nevada, Reno	0721399	Nonstructural Systems	NEES Research	Infrastructures	Α

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
		garranor.				01010101	
				NEESR-SG: TIPS - Tools to			
				Facilitate Widespread Use			
				of Isolation and Protective		Resilient and	
		University of		Systems, a NEES/E-		Sustainable	
Keri	Ryan	Nevada, Reno	0724208	Defense Collaboration	NEES Research	Infrastructures	В
				NEESR-CR: Post-		Resilient and	
		University of Notre		Tensioned Coupled Shear		Sustainable	
Yahya	Kurama	Dame	1041598	Wall Systems	NEES Research	Infrastructures	С
				NEESR-SG: Understanding			
				and Improving the Seismic		Resilient and	
		University of		Behavior of Pile		Sustainable	
Kanthasamy	Muraleetharan	Oklahoma	0830328	Foundations in Soft Clays	NEES Research	Infrastructures	D
				NEESR-SG: Smart and			
				Resilient Steel Walls for		Resilient and	
		University of		Reducing Earthquake		Sustainable	
Jeffrey	Berman	Washington	0830294	Impacts	NEES Research	Infrastructures	Α
				NEESR-CR: Topographic			
				Effects in Strong Ground			
		Virginia Polytechnic		Motion - From Physical and		Resilient and	
		Institute and State		Numerical Modeling to		Sustainable	
Adrian	Rodriguez-Marek	University	0936543	Design	NEES Research	Infrastructures	В
				l			
				NEESR-SG: Development		Resilient and	
	<u>.</u>	William Marsh Rice		of Next Generation Adaptive		Sustainable	
Satish	Nagarajaiah	University	0830391	Seismic Protection Systems	NEES Research	Infrastructures	С
				CDI-Type I: Fundamental		Systems	
		Rensselaer		Terrain Representations and		Engineering and	
Parhara	Cutler	Polytechnic Institute	0025762	Operations	CDI TYPE I	Design	
Barbara	Cutiei	Folytechnic institute	0030702	Operations	ODITIFET	เกลอเลิน	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CDI-Type I Collaborative			
				Research: Multi-Scale			
				Modeling of Protein-			
				Modulated DNA Large-		Systems	
		University of		Scale Dynamics by Free		Engineering and	
Noel	Perkins	Michigan	0941470	Energy Surface Matching	CDI TYPE I	Design	В
						Systems	
				CAREER: Nonlinear Control		Engineering and	
Sean	Andersson	Boston University	0845742	for Single Molecule Tracking	Control Systems	Design	С
				DynSyst_Special_Topics: A			
				formal approach to the		Systems	
				control of stochastic		Engineering and	
Sean	Andersson	Boston University	0928776	dynamic systems	Control Systems	Design	D
				Predictive Energy			
				Management in Smart			
				Vehicles: Exploiting Traffic		Systems	
				and Terrain Preview for Fuel		Engineering and	
Ardalan	Vahidi	Clemson University	0928533	Savings	Control Systems	Design	Α
				CAREER: Control of			
				Vibratory Energy Harvesting		Systems	
				and Energy Constrained		Engineering and	
Jeffrey	Scruggs	Duke University	0747563	Systems	Control Systems	Design	В
				Multiscale, Beamlet-Based			
		Georgia Tech		Data Processing for the			
		Research		Solution of Shortest-Path			
		Corporation,		Problems with Applications		Systems	
		Georgia Institute of		to Embedded Vehicle		Engineering and	
Panagiotis	Tsiotras	Technology	0856565	Autonomy	Control Systems	Design	С
_		<u> </u>		CAREER: Bio-inspired		Systems	
				Automatic Control of a		Engineering and	
Robert	Wood	Harvard University	0746638	Flying Robotic Insect	Control Systems	Design	D
				Analysis and Control of		Systems	
		Iowa State		Complex Behavior: Linear		Engineering and	
Umesh	Vaidya	University	0807666	Transfer Operator Approach	Control Systems	Design	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: Flow-Induced			
				Instability in Rotating			
		Louisiana State		Machines: A Nonlinear		Systems	
		University and		Systems and Control		Engineering and	
Marcio	de Queiroz	AandM College	0447576	Perspective	Control Systems	Design	В
				CAREER: Multi-Agent			
				Systems and Gaussian		Systems	
		Michigan State		Processes: Applications in		Engineering and	
Jongeun	Choi	University	0846547	Environmental Sciences	Control Systems	Design	С
				Impulsive Control of Under-		Systems	
		Michigan State		Actuated Dynamical		Engineering and	
Ranjan	Mukherjee	University	0925055	Systems	Control Systems	Design	D
				Collaborative Research: IDR	•		
				Model-based Feedback			
				Control of Transient Growth			
				in a Laminar Boundary			
				Layer: Bridging the Gap		Systems	
		Michigan State		between CFD and		Engineering and	
Ahmed	Naguib	University	0932546	Experiments	Control Systems	Design	Α
				Nonlinear and Adaptive			
				Control of Smart Material-			
				Actuated Systems with		Systems	
		Michigan State		Application to		Engineering and	
Xiaobo	Tan	University	0824830	Nanopositioning	Control Systems	Design	В
				EAGER: Multi-Agent			
				Network Control for			
		Michigan		Adaptive Sensing and		Systems	
		Technological		Monitoring in Wireless		Engineering and	
Во	Chen	University	1049294	Sensor Networks	Control Systems	Design	С
				Developing High			
				Performance,			
				Computationally Efficient			
				Nonlinear Control		Systems	
		North Carolina		Techniques for Polynomial		Engineering and	
Fen	Wu	State University	0800044	Nonlinear Systems	Control Systems	Design	D

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
		Ohio Oha		Synergistically Integrated In- Cylinder Condition and Fueling Control for		Systems	
Junmin	Wang	Ohio State University	1029611	Advanced Multi-Mode Combustion Diesel Engines	Control Systems	Engineering and Design	Α
Cummi	vung	Ohio State University Research		GOALI: Model-Based System Fault Diagnosis and Prognosis - Passive Robustness and Aging Prediction - Application to automotive electrical	Control Gystems	Systems Engineering and	
Giorgio	Rizzoni	Foundation	0825655	systems	Control Systems	Design	В
Prabhakar	Pagilla	Oklahoma State University	0825937	Collaborative Research: Safe Coordination of Multiple Autonomous Vehicles	Control Systems	Systems Engineering and Design	С
Xiao	Wang	Purdue University	1030246	Collaborative Research: A Constrained Optimal Control Approach to Nonparametric Estimation with Applications to Biological, Biomedical and Engineering Systems	Control Systems	Systems Engineering and Design	D
Tukin	Dee	Rochester Institute	1020744	Controlling Transient Behavior of Solid Oxide Fuel Cells Using an Invariant		Systems Engineering and	۸
Tuhin	Das	of Technology Stevens Institute of	1030744	Property Collaborative Research: Control of Atomic-Scale Friction by Normal Surface	Control Systems	Systems Engineering and	_ A
Yi	Guo	Technology	0825613	Oscillation	Control Systems	Design	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Algorithms for Design of			
				Structured Distributed			
				Controllers with Application		Systems	
				to Large-Scale Vehicular		Engineering and	
Makan	Fardad	Syracuse University	0927509	Formations	Control Systems	Design	С
				A Collaborative Research			
				on Multivariable Fixed Order		Systems	
		Tennessee State		Controller Synthesis and		Engineering and	
Leehyun	Keel	University	0927664	Design from Data	Control Systems	Design	D
				CAREER: Model-Based			
				Control and Diagnostics for			
				Transcritical CO2 Vapor		Systems	
		Texas Engineering		Compression Cycle		Engineering and	
Bryan	Rasmussen	Experiment Station	0644363	Systems	Control Systems	Design	Α
				Image Guided Tracking of		Systems	
		University at		Tumor Motion for Conformal		Engineering and	
Puneet	Singla	Buffalo, SUNY	0928630	Radiation Therapy	Control Systems	Design	В
				Human Control of Bicycle			
				Dynamics with Experimental			
				Validation and Implications		Systems	
		University of		for Bike Handling and		Engineering and	
Mont	Hubbard	California, Davis	0928339	Design	Control Systems	Design	С
				EAGER PROPOSAL: An			
				Exploratory and Radically			
				Different Approach for			
				Control of a Tandem Hot			
				Metal Strip Rolling Process		Systems	
		University of Central		for Product Quality		Engineering and	
Marwan	Simaan	Florida	0951843	Improvement.	Control Systems	Design	D
						Systems	
				CAREER: Nonlinear Control		Engineering and	
Warren	Dixon	University of Florida	0547448	of Human Skeletal Muscle	Control Systems	Design	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Haptic playback: A new		Systems	
		University of Illinois,		approach to teaching of		Engineering and	
Milos	Zefran	Chicago	0600658	sensorimotor skills	Control Systems	Design	В
				GOALI: Hybrid Control of			
				Continuous Casting for		Systems	
		University of Illinois,		Whale and Crack		Engineering and	
Joseph	Bentsman	Urbana-Champaign	0900138	Prevention	Control Systems	Design	С
				Distributed Control of			
				Constrained Compartmental			
				Systems, with Applications		Systems	
		University of Illinois,		to Large-Scale		Engineering and	
Cedric	Langbort	Urbana-Champaign	0826469	Infrastructures	Control Systems	Design	D
				EAGER: Extensible Linear			
				Distributed Controllers for			
				Large Multi-Input-Multi-			
				Output Systems, with		Systems	
		University of Illinois,		Applications to Control of		Engineering and	
Cedric	Langbort	Urbana-Champaign	1050005	Networked Printers	Control Systems	Design	Α
				Collaborative Research: A			
				Constrained Optimal Control			
				Approach to Nonparametric			
		University of		Estimation with Applications		Systems	
		Maryland, Baltimore		to Biological, Biomedical		Engineering and	
Jinglai	Shen	County	1030804	and Engineering Systems	Control Systems	Design	В
		University of		Mechanial Phenotyping of		Systems	
		Maryland, College		Cells: Haptics-Enabled		Engineering and	
Jaydev	Desai	Park	0826158	Atomic Force Microscopy	Control Systems	Design	С
				GOALI: Control of Cyclic			
				Systems - Theory,		Systems	
		University of		Applications, and		Engineering and	
Pierre	Kabamba	Michigan	0900004	Experiments	Control Systems	Design	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Wave Approach in Vibration			
				Analysis and Control of		Systems	
		University of		Complex Built-up Distributed		Engineering and	
Carole	Mei	Michigan	0825761	Structures	Control Systems	Design	A
				CAREER R			
				CAREER: Power		0 -1	
				Optimization in Autonomous		Systems	
	.	University of		Microsystems via Integrated		Engineering and	
Kenn	Oldham	Michigan	0954422	Motion Control	Control Systems	Design	В
				IMPLEMENTING THE		Systems	
		University of		5XME" WORKSHOP		Engineering and	
A. Galip	Ulsoy	Michigan	0855698	RECOMMENDATIONS"	Control Systems	Design	С
				CAREER: Enabling Methods			
		University of		for Modeling and Control of		Systems	
		Minnesota, Twin		Transitional and Turbulent		Engineering and	
Mihailo	Jovanovic	Cities	0644793	Wall-Bounded Shear Flows	Control Systems	Design	D
				Active Noise Control			
		University of		Systems for Windows Using		Systems	
		Minnesota, Twin		Transparent Carbon		Engineering and	
Rajesh	Rajamani	Cities	0927216	Nanotube Actuators	Control Systems	Design	Α
		University of		Less Conservative Criteria		Systems	
		Minnesota, Twin		for Analysis and Synthesis		Engineering and	
Murti	Salapaka	Cities	0900113	of Nonlinear Systems	Control Systems	Design	В
				Control-Theoretic			
				Approaches to			
				Communication-Efficient,			
				Distributed Convex		Systems	
		University of		Optimization over Wireless		Engineering and	
Choon Yik	Tang	Oklahoma	0900806	Networks	Control Systems	Design	С
				CAREER: Evaluating			
				Capabilities of Neural		Systems	
		University of		Control in Human-Machine		Engineering and	
Zhi-Hong	Mao	Pittsburgh	0953449	Interaction	Control Systems	Design	D

First Name	Last Name	Organization	Grant Number	Grant Title	Brogram Araa	Cluster	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		University of		Optimal Model Reduction for		Systems	
		Tennessee,		Aerodynamics Boundary		Engineering and	
Seddik	Djouadi	Knoxville	0825921	Feedback Control	Control Systems	Design	Α
				Control of Micro/Nano Bio-		Systems	
		University of		mimetic Structures for		Engineering and	
Santosh	Devasia	Washington	0624597	Fluidic Devices	Control Systems	Design	В
					ĺ	Systems	
		University of		Control of Distributed		Engineering and	
Santosh	Devasia	Washington	1000404	Nanosteppers	Control Systems	Design	С
				SGER: Green Energy via		Systems	
		Vanderbilt		Control-Based Design of		Engineering and	
Eric	Barth	University	0838874	Free-Piston Stirling Engines	Control Systems	Design	D
		Virginia Polytechnic		CAREER: Bio-inspired		Systems	
		Institute and State		Controllable Tensegrity		Engineering and	
Cornel	Sultan	University	0952558	Structures	Control Systems	Design	A
Oomer	Cultari	Offiversity	0302000	CAREER: Ensemble Control		Design	
		Washington		with Applications to		Systems	
		University in St.		Spectroscopy, Imaging, and		Engineering and	
Jr-Shin	Li	Louis	0747877	Computation	Control Systems	Design	В
				Collaborative Research:	,	Ĭ	
				Robust linear parameter			
				varying control methods for		Systems	
		William Marsh Rice		precise compensation of		Engineering and	
Satish	Nagarajaiah	University	0601672	hysteresis	Control Systems	Design	С
				DynSyst_Special_Topics:			
				Dynamics and Control of Bio	1		
				molecular Systems using			
				Geometric Model Reduction		Systems	
		California Institute		and Stochastic Variational		Engineering and	
Houman	Owhadi	of Technology	0926001	Integrators.	Dynamical Systems	Design	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Novel NDE/SHM Approach		Systems	
		California Institute		Based on Highly Nonlinear		Engineering and	
Chiara	Daraio	of Technology	0825345	Dynamics	Dynamical Systems	Design	Α
				DynSyst_Special_Topics:			
				Collaborative Research:			
				Fundamental and Applied			
				Dynamics of Granular			
				Crystals: Disorder,		Systems	
		California Institute		Localization and Energy		Engineering and	
Chiara	Daraio	of Technology	0969541	Harvesting	Dynamical Systems	Design	В
				DynSyst_Special_Topics:			
				Temporal Coarse-Graining			
				of Molecular Dynamics			
				Using the Parametrized			
				Locally Invariant Manifolds		Systems	
		Carnegie Mellon		Method and Data		Engineering and	
Kaushik	Dayal	University	0926579	Warehousing Techniques	Dynamical Systems	Design	С
				Microfluidic System for			
				Spatiotemporal		Systems	
		Carnegie Mellon		Investigations of Cellular		Engineering and	
William	Messner	University	0555513	Dynamics	Dynamical Systems	Design	D
				Nonlinear Dynamics and		Systems	
				Bifurcations in Cardiac		Engineering and	
Flavio	Fenton	Cornell University	0800793	Tissue	Dynamical Systems	Design	Α
						Systems	
				Nonlinear Dynamics of		Engineering and	
Alan	Zehnder	Cornell University	0600174	Coupled MEMS Oscillators	Dynamical Systems	Design	В
				Collaborative Research:	•		
				Computational Geometric			
				Uncertainty Propagation for		Systems	
		Florida Institute of		Hamiltonian Systems on a		Engineering and	
Taeyoung	Lee	Technology	1029551	Lie Group	Dynamical Systems	Design	С

		Grant				Poster
Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
					•	
Clark	University	0826137		Dynamical Systems	<u> </u>	D
			_		, ,	
					Engineering and	
Collins		0927040	Skid-Steered Vehicles	Dynamical Systems	Design	Α
	· ·					
			Nonlinear Acoustic Meta-			
					, ,	
	· ·				ŭ ŭ	
Ruzzene	Technology	0926776		Dynamical Systems	Design	В
			New Model and		Systems	
			Methodology for Signal		Engineering and	
Li	Lehigh University	0928092	Estimation and Decoding	Dynamical Systems	Design	С
			Ota ali a ati a Da annitus ant anni			
	Managari baratta				0	
					•	
A 1 -		0700400	• •	D	_	
Asada	recnnology	0728162	Muscle Actuators	Dynamical Systems		D
	NATIONAL CONTRACTOR		Marial Language and		•	
_	_	0707000	•		_	
Feeny	University	0/2/838	Decomposition Methods	Dynamical Systems	Design	A
			A Positive Effect of Negative		Systems	
	Michigan State					
Feeny		1030377		Dynamical Systems		В
1 cony	Offivoroity	1000011		Dynamical Cyclomic	<u> </u>	+ -
	Michigan State				, ,	
Shaw		0700307		Dynamical Systems		С
		0.0007		= j/lailioa. Gyotolilo		+ -
			•		Systems	
	Montana State		•			
Gedeon		0849433		Dynamical Systems		D
_	Clark Collins Ruzzene	Florida State University Florida State University Georgia Tech Research Corporation, Georgia Institute of Technology Li Lehigh University Massachusetts Institute of Technology Michigan State University Michigan State University	Clark Florida State University Florida State University O927040 Georgia Tech Research Corporation, Georgia Institute of Technology O926776 Li Lehigh University O928092 Massachusetts Institute of Technology O728162 Michigan State University O727838 Michigan State University Michigan State University O700307 Michigan State University O700307	Clark Florida State University O826137 Collaborative Research: Dynamics of Running on Variable Inclines Modeling and Motion Planning for Autonomous Skid-Steered Vehicles Georgia Tech Research Corporation, Georgia Institute of Technology D926776 Li Lehigh University O928092 Stochastic Recruitment and Broadcast Feedback of Cellular Control Systems and Its Application to Muscle Actuators Michigan State University O727838 Michigan State University O703077 Modeling and Motion Planning for Autonomous Skid-Steered Vehicles Nonlinear Acoustic Meta- Materials for Wave Propagation Management and Control New Model and Methodology for Signal Estimation and Decoding Stochastic Recruitment and Broadcast Feedback of Cellular Control Systems and Its Application to Muscle Actuators Modal Identification by Decomposition Methods A Positive Effect of Negative Stiffness: Wave Behavior and Energy Management GOALI: Transient Dynamics of Torsional Vibration Arthropod Mechanoreceptors with Application to Bio-Inspired	Clark Corporation Georgia Tech Research Corporation, Georgia Institute of Technology Clark Clark Corporation, Georgia Institute of Ruzzene Corporation, Georgia Institute of Technology Clark Corporation, Georgia Institute of Technology Clark Corporation, Georgia Institute of Technology Clark Corporation, Georgia Institute of Ruzzene Corporation, Georgia Institute of Technology Clark Corporation, Georgia Institute of Ruzzene Corporation, Georgia Institute of Technology Clark Corporation, Georgia Institute of Ruzzene Corporation, Georgia Institute of Ruzzene Corporation, Georgia Institute of Ruzzene Nonlinear Acoustic Meta- Materials for Wave Propagation Management Methodology for Signal Estimation and Decoding Clark Clark Clark Massachusetts Institute of Cellular Control Systems And Its Application to Muscle Actuators Dynamical Systems Corporation, Clark Corporation, Corporation Corporation, Corporation, Corporation, Corporation, Corpora	Collaborative Research: Dynamics of Running on Variable Inclines Plorida State University Dynamics of Running on Variable Inclines Plorida State University Dynamics of Running on Variable Inclines Plorida State University Dynamical Systems Engineering and Design Systems Engineering and Design Systems Engineering and Design Dynamical Systems Dynamical Systems Dynamical Systems Engineering and Design Systems Engineering and Design Dynamical Systems Design Dynamical Systems Engineering and Design A Positive Effect of Negative Stiffness: Wave Behavior and Energy Management Engineering and Design A Positive Effect of Negative Stiffness: Wave Behavior and Energy Management Engineering and Design Dynamical Systems Engineering and Design Systems Engineering and Design Dynamical Systems Engineering and Design Engineering and Design Dynamical Systems Engineering and Design Dynamical Systems Engineering and Design Dynamical Systems Engineering and Design Engineering and Design Engineering and Design Engineering and Design Engineering and Design

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research: A			
				Unified Dynamical Systems-			
				Simulation-Visualization			
				Approach to Modeling and		Systems	
		New Jersey Institute		Analyzing Granular Flow		Engineering and	
Denis	Blackmore	of Technology	1029809	Phenomena	Dynamical Systems	Design	A
				Collaborative Research:			
				Stability, Identification, and		Systems	
		New Mexico State		Stochastic Resonance in		Engineering and	
Eric	Butcher	University	0900289	Stochastic Delayed Systems	Dynamical Systems	Design	В
		, and the second		Collaborative Research:	, ,		
				Global/Local System			
				Identification of Strongly		Systems	
		New Mexico State		Nonlinear Dynamical		Engineering and	
Young	Lee	University	0928062	Systems	Dynamical Systems	Design	С
				DynSyst_Special_Topics: A			
				Dynamical Systems			
				Approach to Mixing and		Systems	
		Northwestern		Segregation of Granular		Engineering and	
Julio	Ottino	University	1000469	Matter	Dynamical Systems	Design	D
				A System Dynamics			
				Modeling Methodology to			
				Predict Transient			
		Ohio State		Phenomena in		Systems	
		University Research		Compressible Fluid Flow		Engineering and	
Giorgio	Rizzoni	Foundation	0928518	Systems	Dynamical Systems	Design	Α
				GOALI: Modeling and		Systems	
		Oklahoma State		Design of Composite Web		Engineering and	
Prabhakar	Pagilla	University	0854612	Roll-to-Roll Systems	Dynamical Systems	Design	В
		Polytechnic		CAREER: Guidance and		Systems	
		University of New		Control of Fish Shoals using		Engineering and	
Maurizio	Porfiri	York	0745753	Bio-Mimetic Robots	Dynamical Systems	Design	С

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
FIISt Name	Last Name	Organization	Number	Grant Title	Program Area	Ciustei	Group
				Nonlinear Dynamics of Seat- Occupant Systems with Nonlinear Viscoelastic Models of Flexible		Systems Engineering and	
Anil	Bajaj	Purdue University	0728101	Polyurethane Foam	Dynamical Systems	Design	D
				Nonlinear Dynamics of Microcantilevers Interacting with Nanostructures: New Paradigms for Ultrasensitive		Systems Engineering and	
Arvind	Raman	Purdue University	0700289	Atomic Force Microscopy	Dynamical Systems	Design	А
				GOALI: Nonlinear, Multi- modal, and Stochastic Dynamics of Low-stiffness Microcantilevers in Liquid Environment Atomic Force		Systems Engineering and	
Arvind	Raman	Purdue University	0927648	Microscopy	Dynamical Systems	Design	В
Jeffrey	Rhoads	Purdue University	0826276	Exploiting Parametric Effects in Resonant Nanosystems	Dynamical Systems	Systems Engineering and Design	С
Jeffrey	Rhoads	Purdue University	0846385	CAREER: Exploiting Collective Behaviors in Coupled Micro- and Nanosystems	Dynamical Systems	Systems Engineering and Design	D
ОСПТЕУ	THIORUS	I didde offiversity	00+000	Collaborative Research: Quantifying Predictability in Nonlinear Multiscale Systems with Applications to		Systems Engineering and	U U
Wen-wen	Tung	Purdue University	0826119		Dynamical Systems	Design	Α
		Rensselaer		Framework for the Adaptive Multiscale Modeling of		Systems Engineering and	
Kurt	Anderson	Polytechnic Institute	0757936	Biopolymers	Dynamical Systems	Design	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		San Diego State		DynSyst Special Topics:		Systems	
		University		Coupled Inertial Navigation		Engineering and	
Jose	Palacios	Foundation	0923803	System	Dynamical Systems	Design	С
				Microbeams under			
				Mechanical Shock and			
				Electrostatic Actuation			
		State University of		Accounting for the Effects of		Systems	
		New York,		Circuit Board and Package		Engineering and	
Mohammad	Younis	Binghamton	0700683	Motion	Dynamical Systems	Design	D
				CAREER Investigations into			
				CAREER: Investigations into			
		Otata I laissanaites af		Nonlinear Phenomena in		0	
		State University of		Electrostatic MEMS and		Systems	
N 4 - 1 1	V	New York,	0040775	their Potential for Smart	D	Engineering and	
Mohammad	Younis	Binghamton	0846775	Sensors and Actuators	Dynamical Systems	Design	А
				Collaborative Research:			
		State University of		Exploration of the Nonlinear		Systems	
		New York,		Dynamics of NEMS Carbon		Engineering and	
Mohammad	Younis	Binghamton	0928494	Nanotube Resonators	Dynamical Systems	Design	В
				Closed-loop Reservoir	, ,		
				Management Using a			
				Reduced-order Model-			
				based Control and		Systems	
		Texas Tech		Uncertainty Propagation		Engineering and	
Karlene	Ноо	University	0927796	Framework	Dynamical Systems	Design	С
		T. O. (1. 1)		040550 0			
		The Catholic		CAREER: Dynamics of		Systems	
1		University of		Micro- and Nanomechanical		Engineering and	
John	Judge	America	0747598	Resonator Arrays	Dynamical Systems	Design	D

			Grant		_		Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Puneet	Singla	University at Buffalo, SUNY	0908403	DynSyst_Special_Topics: Convex Optimization Based Approach for High Fidelity Uncertainty Propagation Through Nonlinear Dynamic Systems	Dynamical Systems	Systems Engineering and Design	A
Oliver	O'Reilly	University of California, Berkeley	0726675	A Framework for Studying the Dynamics of the Human Spine with Application to Clinical Treatments for Back Pain		Systems Engineering and Design	В
Oliver	O'Reilly	University of California, Berkeley	1000906	The Dynamics of a Novel Wave Energy Converter	Dynamical Systems	Systems Engineering and Design	С
Craig	Martens	University of California, Irvine	0825661	Nonlinear Dynamics of Nanopore Current Oscillations	Dynamical Systems	Systems Engineering and Design	D
Jorge	Cortes	University of California, San Diego	0908508	DynSyst_Special_Topics: Couplings, Network Dynamics, and Stability of Multi-Agent Systems	Dynamical Systems	Systems Engineering and Design	A
Jeff	Moehlis	University of California, Santa Barbara	1000678	Controlling Populations of Neurons	Dynamical Systems	Systems Engineering and Design	В
Mahmoud	Hussein	University of Colorado Boulder	0927322	A Building Block Approach to Controlling Phonon Dynamics in Nanostructures	Dynamical Systems	Systems Engineering and Design	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Efficient Probabilistic			
				Approach Using Order			
				Reduction and Hybrid			
				Models A New Paradigm		Systems	
		University of		for Structural Dynamic		Engineering and	
Jiong	Tang	Connecticut	0927734	Analysis	Dynamical Systems	Design	D
				Ultrafast and Robust,			
				Resettable Threshold			
				Sensors Based on		Systems	
		University of Illinois,		Discontinuity-Induced		Engineering and	
Harry	Dankowicz	Urbana-Champaign	0855787	Nonlinearities	Dynamical Systems	Design	Α
				Quantitative			
				Characterization of Complex			
				Motion Patterns Using		Systems	
		University of Illinois,		Shape-based and		Engineering and	
Elizabeth	Hsiao-Wecksler	Urbana-Champaign	0727083	Multivariate Techniques	Dynamical Systems	Design	В
				Dynamics and Stability of		Systems	
		University of Illinois,		Stochastic Nonlinear Auto-		Engineering and	
N. Sri	Namachchivaya	Urbana-Champaign	0758569	parametric Systems	Dynamical Systems	Design	С
				DynSyst_Special_Topics:			
				Multiscale Dynamics and			
				Information in Data		Systems	
		University of Illinois,		Collection and Assimilation		Engineering and	
N. Sri	Namachchivaya	Urbana-Champaign	1030144	for Complex Systems	Dynamical Systems	Design	D
				GOALI: Delicate Material			
				Characterization Using			
		University of		Tapping Mode AFM: Soft		Systems	
		Maryland, College		Impact and Nonlinear		Engineering and	
В.	Balachandran	Park	0800471	Dynamics	Dynamical Systems	Design	Α
		University of		GOALI: Dynamic Coupling		Systems	
		Maryland, College		of Synthetic Jet Actuators		Engineering and	
Alison	Flatau	Park	0729454	and Flow Fields	Dynamical Systems	Design	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Targeting Observations of			
		University of		Tropical Cyclones using		Systems	
		Maryland, College		Cooperative Control of		Engineering and	
Derek	Paley	Park	0928416	Unmanned Aircraft	Dynamical Systems	Design	С
				CAREER: Dynamics and			
		University of		Control of Motion		Systems	
		Maryland, College		Coordination for Information		Engineering and	
Derek	Paley	Park	0954361	Transmission in Groups	Dynamical Systems	Design	D
20.0		University of		Dynamic Stress-Strain	- ynamean Cycleme	Systems	
		Massachusetts,		Prediction of Vibrating		Engineering and	
Christopher	Niezrecki	Lowell	0900534	Structures in Operation	Dynamical Systems	Design	Α
Ciliotopiloi	THOLICON	2011011	0000001	Collaborative Research:	Dynamical Cyclemic	2 00.9.1	, ,
		University of Miami		Targeting Observations of			
		School of Marine		Tropical Cyclones Using		Systems	
		and Atmospheric		Cooperative Control of		Engineering and	
Sharanya	Majumdar	Science	0928198	Unmanned Aircraft	Dynamical Systems	Design	В
				A Multistability Framework			
				for Modeling and Control of		Systems	
		University of		Hysteretic Damping and		Engineering and	
Dennis	Bernstein	Michigan	0758363	Friction	Dynamical Systems	Design	С
		3.5		Micro-Fluid-Structural	,	J 3	
				Sensing Based on			
				Sensitivity Vector Fields and			
				Morphing Modes Created by		Systems	
		University of		Nonlinear Feedback		Engineering and	
Bogdan	Epureanu	Michigan	0625011	Excitation	Dynamical Systems	Design	D
T T	1	Ĭ			, , ,	Systems	
		University of		Cooperative Nonlinear		Engineering and	
Bogdan	Epureanu	Michigan	0800202	Dynamics of Motor Proteins	Dynamical Systems	Design	Α
						Systems	
		University of		Predicting the Torsional		Engineering and	
Noel	Perkins	Michigan	0825488	Dynamics of DNA	Dynamical Systems	Design	В

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
First Name	Last Name	Organization	Nullibel	Optimal Co-Design of	Program Area	Systems	Group
		University of		Controlled Systems and		Engineering and	
A. Galip	Ulsoy	Michigan	0625060	their Controllers	Dynamical Systems	Design	С
A. Calip	Olsoy	Iviioriigari	0023000	their Controllers	Dynamical Gystems	Design	$+$ $\overset{\circ}{-}$
				Collaborative Research:			
				Manipulation of Suspended			
				Microparticles via Localized			
				Fluid Boundary Dynamics:		Systems	
		University of North		Modeling, Simulation, and		Engineering and	
Scott	Kelly	Carolina, Charlotte	1000656	Experiments	Dynamical Systems	Design	D
				Collaborative Reseach:			
				Novel NDE/SHM Approach		Systems	
		University of		Based on Highly Nonlinear		Engineering and	
Piervincenzo	Rizzo	Pittsburgh	0825983	Dynamics	Dynamical Systems	Design	А
				Detional Madala and			
				Rational Models and Dynamical Characterization			
				of Fatigue using Phase		Systems	
		University of Rhode		Space Warping and Smooth		Engineering and	
David	Chelidze	Island	0758536	Orthogonal Decomposition	Dynamical Systems	Design	В
David	Offeriaze	Island	0130330	Dynamic Response of	Dynamical Systems	Systems	
		University of		Constrained Bubbles to		Engineering and	
Sheryl	Gracewski	Rochester	0652947	Acoustic Excitation	Dynamical Systems	Design	С
,					,,		
		University of		GOALI: Predicting Acoustic		Systems	
		Tennessee Space		Wave Dynamics in Solid		Engineering and	
Joseph	Majdalani	Institute	0928762	and Hybrid Rocket Motors	Dynamical Systems	Design	D
				CAREER: Vibration-Based			
				Active and Passive Damage			
				Identification of Time-			
		University of		Varying Dynamical Systems		Systems	
		Tennessee,		with Applications to Rotating		Engineering and	
Hans	DeSmidt	Knoxville	0748022	Structures	Dynamical Systems	Design	Α

			Grant		_		Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		University of		Passive Nonlinear Automatic Balancing of		Systems	
		Tennessee,		Flexible Rotordynamic		Engineering and	
Llana	DeSmidt	Knoxville	0050474	_	Dumamical Customa		
Hans	DeSmiat	Knoxville	0856471	Structures	Dynamical Systems	Design	В
				CAREER: Integrated			
		University of		Research and Education in		Systems	
		Tennessee,		Nonlinear Dynamics in		Engineering and	_
Xiaopeng	Zhao	Knoxville	0845753	Biological Systems	Dynamical Systems	Design	С
				Vibration Mitigation in		Systems	
		University of		Inchworm Nanopositioners		Engineering and	
Santosh	Devasia	Washington	0856091	for SPMs	Dynamical Systems	Design	D
				DynSyst_Special_Topics:			
				Optimization of Enterprise		Systems	
		University of		Dynamical Systems		Engineering and	
Zelda	Zabinsky	Washington	0908317	Described By Rules	Dynamical Systems	Design	Α
	,			Methods for Experimental		, and the second	
				Identification of Nonlinear			
				Dynamic Systems of			
				Unknown Form and Order		Systems	
		University of		With Application to Human		Engineering and	
Matthew	Allen	Wisconsin, Madison	0969224	Gait	Dynamical Systems	Design	В
Width 10 W	7 (11011	Triocorioni, madicori	0000221	CAREER: Advanced	Dynamical Cyclomic	D coign	+ -
				Computational Multi-Body			
				Dynamics for Next		Systems	
		University of		Generation Simulation-		Engineering and	
Dan	Negrut	Wisconsin, Madison	0840442	Based Engineering	Dynamical Systems	Design	С
Dan	Negrat	VVISCOTISITI, IVIACISOTI	0040442	Based Engineering	Dynamical Systems	Systems	+ -
		Vanderbilt		Quantum dynamics at the		Engineering and	
Kalman	Vorgo		0007045	•	Dynamical Systems		
Kalman	Varga	University	0927345	nanoscale	Dynamical Systems	Design	D
				DynSyst_Special_Topics:			
		Virginia Dalutaahaia				Systems	
		Virginia Polytechnic		Polynomial Dynamical s		Systems	
Databasel	Laubantestes	Institute and State	0000004	Systems Over Finite Fields:	D. m. amaia al O. attaca	Engineering and	_
Reinhard	Laubenbacher	University	0908201	From Structure to Dynamics	Dynamical Systems	Design	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Leigh	McCue-Weil	Virginia Polytechnic Institute and State University	0747973	CAREER: A Unified Research and Outreach Program in Nonlinear Vessel Dynamics	Dynamical Systems	Systems Engineering and Design	В
Corina	Sandu	Virginia Polytechnic Institute and State University	0700278	GOALI Collaborative Research: Analytical Modeling and Experimental Analysis of Tires under Uncertain Intrinsic and Operational Parameters	Dynamical Systems	Systems Engineering and Design	С
Konstantin	Matveev	Washington State University	1026264	Dynamics of Novel Air- Assisted Marine Vehicles	Dynamical Systems	Systems Engineering and Design	D
Weidong	Zhu	University of Maryland, Baltimore County	1000830	GOALI: Dynamic Modeling and Analysis of Complex Systems with Application to Elevator Systems	Dynamical Systems	Systems Engineering and Design	А
Weidong	Zhu	University of Maryland, Baltimore County	0600559	Vibration-Based Structural Damage Detection: Theory and Applications	Dynamical Systems	Systems Engineering and Design	В
Jami	Shah	Arizona State University	0728192	Identification, Characterization and Measurement of Design Skills and Designer Profiles	Engineering Design and Innovation	Systems Engineering and Design	С
Jami	Shah	Arizona State University	1002910	Major: Understanding and Aiding Problem Formulation in Creative Conceptual Design	Engineering Design and Innovation	Systems Engineering and Design	С
Jami	Shah	Arizona State University	1045644	EAGER: Holistic Ideation for Creative Design	Engineering Design and Innovation	Systems Engineering and Design	С

F1 (N			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		Brigham Young		Lamina Emergent	Engineering Design	Systems Engineering and	
l orn/	Howell	University	0800606	Mechanisms	and Innovation	Design	В
Larry	nowell	University	0000000	A Framework for	and innovation	Design	Ь
				Maintaining Product			
				Superiority by Designing			
				Hardware That Protects		Systems	
		Brigham Young		Itself From Reverse	Engineering Design	Engineering and	
Christopher	Mattson	University	800904	Engineering	and Innovation	Design	С
Crinstoprier	Iviatisori	Offiversity	000304	Linginieening	and innovation	Design	
				CAREER: Design Strategies		Systems	
		Brigham Young		to Benefit from the Profit-by-		Engineering and	
Christopher	Mattson	University	0954580	Poverty-Alleviation Paradox	and Innovation	Design	D
Chilotophor	Wattoon	Offiveroity	0004000	Collaborative Research: A	ana mnovation	Design	+ -
				Mathematical Design			
				Framework for the		Systems	
				Synthesis of Biologically-	Engineering Design	Engineering and	
Charles	Kim	Bucknell University	0700495	Inspired Systems	and Innovation	Design	Α
				Collaborative Research:			
				Design Framework for		Systems	
				Biomimetic Elasto-Fluidic	Engineering Design	Engineering and	
Charles	Kim	Bucknell University	1030687	Systems	and Innovation	Design	В
		,		CAREER: Sketch-based		Ĭ	
				Construction and Interaction			
				with Geometric Content in		Systems	
		Carnegie Mellon		Creative Design	Engineering Design	Engineering and	
Levent	Kara	University	0846730	Environments	and Innovation	Design	С
						_	
				Integrative Situated Design:		Systems	
				Linking Functions and	Engineering Design	Engineering and	
Gregory	Mocko	Clemson University	0826441	Affordances Through Form	and Innovation	Design	D
				GOALI: Biogeography-			
				Based Optimization of		Systems	
		Cleveland State		Multiple Related Complex	Engineering Design	Engineering and	
Dan	Simon	University	0826124	Systems	and Innovation	Design	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Design Space Analysis with		Systems	
		Colorado School of		Hyperdimensional	Engineering Design	Engineering and	
Cameron	Turner	Mines	0900182	Metamodels	and Innovation	Design	В
				Collaborative Research:		Systems	
		Florida International		Engineering Analysis of	Engineering Design	Engineering and	
Igor	Tsukanov	University	0900219	Imprecise Models	and Innovation	Design	С
				CAREER: Geometric		Systems	
		Georgia Institute of		Modeling for Computer	Engineering Design	Engineering and	
Yan	Wang	Technology	1001040	Aided Nano Design	and Innovation	Design	D
				GOALI: Computing Tip-			
				Specimen Shape Interaction			
				for Accurate, High			
				Throughput Nano-Imaging			
				of General Three-		Systems	
		Illinois Institute of		Dimensional Structures by	Engineering Design	Engineering and	
Xiaoping	Qian	Technology	0800912	Atomic Force Microscopy	and Innovation	Design	Α
				Direct Digital Design and		Systems	
		Illinois Institute of		Manufacturing (D3M) from	Engineering Design	Engineering and	
Xiaoping	Qian	Technology	0900597	Massive Point-Cloud Data	and Innovation	Design	В
				GOALI: A Hybrid Method to			
				Support Natural Interaction		Systems	
		Iowa State		of Parts in a Virtual	Engineering Design	Engineering and	
Judy	Vance	University	0928774	Environment	and Innovation	Design	С
				Optimal Topology Design		Systems	
		Johns Hopkins		under Fabrication and	Engineering Design	Engineering and	
James	Guest	University	0928613	Demand Uncertainties	and Innovation	Design	D
				CAREER: A Design Data			
		Massachusetts		Analysis Approach to Early		Systems	
		Institute of		Stage Design Process	Engineering Design	Engineering and	
Maria	Yang	Technology	0830134	Modeling	and Innovation	Design	Α
				Linguistics-Based			
		Massachusetts		Preference Information		Systems	
		Institute of		Modeling for Design	Engineering Design	Engineering and	
Maria	Yang	Technology	0900255	Decision-Making	and Innovation	Design	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				A Methodology for Design of	·		
				Metamaterials and Their		Systems	
		Michigan State		Integration in Advanced RF	Engineering Design	Engineering and	
Alejandro	Diaz	University	0800388	Systems	and Innovation	Design	С
				Computational Design Tool			
				Development for Multilevel			
				Optimization of Product-		Systems	
		Mississippi State		Material Systems Under	Engineering Design	Engineering and	
Masoud	Rais-Rohani	University	0826547	Uncertainty	and Innovation	Design	D
				GOALI: A Multidisciplinary			
				Approach to Simultaneous		Systems	
		North Carolina		Market Segmentation and	Engineering Design	Engineering and	
Scott	Ferguson	State University	0969961	Product Family Definition	and Innovation	Design	Α
				Stochastic Multiscale		Systems	
		Northwestern		Computational Design	Engineering Design	Engineering and	
Wei	Chen	University	0928320	Methodology	and Innovation	Design	В
				GOALI: Bayesian			
				Hierarchical Network based			
				Computational Framework		Systems	
		Ohio State		for Risk Tolerant Process	Engineering Design	Engineering and	
Rajiv	Shivpuri	University	1000330	Design	and Innovation	Design	С
,	·	·		GOALI: Collaborative			
				Research: A Mode-Based			
				Simulation Enabling Model			
				and Methodologies for		Systems	
		Oklahoma State		Geometric Variation and	Engineering Design	Engineering and	
Zhenyu (James)	Kong	University	0927557	Tolerance Control	and Innovation	Design	D
, , ,	Ĭ	Old Dominion		Robust Design of High		Systems	
		Research		Performance MEMS	Engineering Design	Engineering and	
Julie Zhili	Нао	Foundation	0826420	Resonators	and Innovation	Design	Α
				Collaborative Research:			
				Quantifying Creativity in			
				Automated Design through		Systems	
		Oregon State		a Multiagent Coordination	Engineering Design	Engineering and	
Robert	Stone	University	0965746	Framework	and Innovation	Design	В

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster
FIISLINAIIIE	Last Name	Organization	Number	Collaborative Research: A	Program Area	Cluster	Group
				Biomimetic Concept		Systems	
		Oregon State		Generator for Engineering	Engineering Design	Engineering and	
Robert	Stone	University	0968410	Design	and Innovation	Design	С
1100011	Otono	Griivereity	0000110	Collaborative Research:	and milevation	D co.ig. i	
				Quantifying Creativity in			
				Automated Design through		Systems	
		Oregon State		a Multiagent Coordination	Engineering Design	Engineering and	
Irem	Tumer	University	0928076	Framework	and Innovation	Design	D
		,		GOALI/Collaborative			
				Research: A Methodology			
				for Utility-Based Decision			
				Making in Large Design			
				Organizations Using		Systems	
		Oregon State		Empirically-Derived Risk	Engineering Design	Engineering and	
Irem	Tumer	University	1030060	Indicators	and Innovation	Design	Α
				MRI: Acquisition of a			
				PowerWall Virtual Reality			
				System for Enabling		Systems	
		Prairie View AandM		Research/Teaching in	Engineering Design	Engineering and	
Xiaobo	Peng	University	0923447	Virtual Prototyping	and Innovation	Design	В
				Enhancing Engineering			
				Innovation through Physical			
				Representation: Identifying			
				the Cognitive			
				Enhancements Provided by			
				Representation and		Systems	
		Texas Engineering		Creating Novel Design	Engineering Design	Engineering and	
Julie	Linsey	Experiment Station	1000954	Methods	and Innovation	Design	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				GOALI/Collaborative			
				Research: A Methodology			
				for Utility-Based Decision			
				Making in Large Design			
		L		Organizations Using		Systems	
		Texas Engineering		Empirically-Derived Risk	Engineering Design	Engineering and	
Richard	Malak	Experiment Station	1029964	Indicators	and Innovation	Design	D
				Collaborative Research: A			
		T F		Biomimetic Concept	F'	Systems	
Desire	NA A da as	Texas Engineering	0000770	Generator for Engineering	Engineering Design	Engineering and	
Daniel	McAdams	Experiment Station	0800772	Design	and Innovation	Design	A
				Explicit Design Space			
				Decomposition with		Cuatama	
		Liniversity of		Adaptive Sampling for	Engineering Design	Systems	
Comir	Missoum	University of	0800117	Design Optimization and	Engineering Design and Innovation	Engineering and	В
Samy	IVIISSOUM	Arizona	0800117	Uncertainty Quantification	and innovation	Design	В
				Advances in Explicit Design		Systems	
		University of		Space Decomposition for	Engineering Design	Engineering and	
Samy	Missoum	Arizona	1029257	Computational Design	and Innovation	Design	С
Salliy	MISSOUTT	Alizolia	1029237	Computational Design	and mnovation	Systems	+ -
		University of		Natural User Interfaces for	Engineering Design	Engineering and	
Thomas	Stahovich	California, Riverside	0729422	Conceptual Design Tools	and Innovation	Design	D
THOMAS	Stariovicii	Camorna, Riverside	0123422	A Design-Centered	and mnovation	Systems	+ -
		University of		Approach to Nano-	Engineering Design	Engineering and	
Kurt	Maute	Colorado, Boulder	0729520	Engineering	and Innovation	Design	Α
rtart	Madio	Colorado, Bodiaci	0720020	CAREER: Geometric	and minovation	Design	+ ^
				Singularities in Engineering			
				Design and Manufacturing:		Systems	
		University of		A Generic Spacetime	Engineering Design	Engineering and	
Horea	Ilies	Connecticut	0644769	Approach	and Innovation	Design	В
		2 2	2050	Geometric Skeletons for		Systems	
		University of		Topologically Evolving	Engineering Design	Engineering and	
Horea	Ilies	Connecticut	0927105	Domains	and Innovation	Design	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Kazem	Kazerounian	University of Connecticut	0856401	A Mechanics Framework for the Analysis and Design of Protein Based Nano Machines	Engineering Design and Innovation	Systems Engineering and Design	D
Raphael	Haftka	University of Florida	0856431	Estimating Probability of Improvement in Next Cycle of Surrogate Based Design Optimization	Engineering Design and Innovation	Systems Engineering and Design	A
Nam	Kim	University of Florida	0927790	Uncertainty Reduction by Testing, Inspection, Health Monitoring, and Maintenance (THIM) in Probabilistic Product Design	Engineering Design and Innovation	Systems Engineering and Design	В
Debasish	Dutta	University of Illinois, Urbana-Champaign	0653838	Semantic Integration of Multiple Information Resources in Product Development: Managing Internal and External Heterogeneity	Engineering Design	Systems Engineering and Design	С
Harrison	Kim	University of Illinois, Urbana-Champaign	0726934	Enterprise Systems for Product Portfolio Design	Engineering Design and Innovation	Systems Engineering and Design	D
Harrison	Kim	University of Illinois, Urbana-Champaign	0900196	GOALI: Dynamic Multi- Mode Design Methodology for Efficient Energy Conversion System Design	Engineering Design and Innovation	Systems Engineering and Design	A
		University of Illinois,		CAREER: Trend-Mining Design - Foundations for Modeling the Mutual Influence between Pre-Life Design and End-of-Life Recovery of a Sustainable	Engineering Design	Systems Engineering and	
Harrison	Kim	Urbana-Champaign	0953021	Product Portfolio	and Innovation	Design	В

Et (M			Grant	0 174			Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Workshop: Design Methods		Customa	
		11.2		for Sustainability, held in	F	Systems	
		University of Illinois,		Montreal, Canada; August	Engineering Design	Engineering and	
Deborah	Thurston	Urbana-Champaign	1029233	15-18, 2010	and Innovation	Design	С
				CAREER: A Theoretical			
		University of		Framework for the		Systems	
		Maryland, Baltimore		Conceptual Design of	Engineering Design	Engineering and	
Hai-Jun	Su	County	0845793	Compliant Systems	and Innovation	Design	D
				Collaborative Research:			
				Variational Kinematic			
		University of		Geometry and Task Driven		Systems	
		Maryland, Baltimore		Mechanism Design in VR	Engineering Design	Engineering and	
Hai-Jun	Su	County	0900517	Environment	and Innovation	Design	Α
		·					
				Strategic Product Design for			
		University of		Retail Channel Acceptance		Systems	
		Maryland, College		Under Uncertainty and	Engineering Design	Engineering and	
Shapour	Azarm	Park	0654042	Competition	and Innovation	Design	В
	7.3			Collaborative Research:		2 00.9.1	
				Automatic Generation of			
				Context-Dependent			
		University of		Simplified Models to		Systems	
		Maryland, College		Support Interactive Virtual	Engineering Design	Engineering and	
Satyandra	Gupta	Park	0727380	Assembly	and Innovation	Design	С
Gatyanura	Oupia	I air	0121300	Collaborative Research:	and innovation	Design	+ -
		University of		Knowledge Representation		Systems	
		Maryland, College		and Design for Managing	Engineering Design	Engineering and	
Dotor	Condborn		0000600		0 0		_
Peter	Sandborn	Park	0928628	Product Obsolescence	and Innovation	Design	D
				The Role of Heuristics in			
				Creative and Innovative			
				Robust Designs:			
				Understanding Both		Systems	
		University of		Individual and Team-Based	Engineering Design	Engineering and	
Richard	Gonzalez	Michigan	0927474	Design	and Innovation	Design	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Multiscale Design Tool			
				Development for High		Systems	
		University of Notre		Performance	Engineering Design	Engineering and	
John	Renaud	Dame	0700730	Nanocomposites	and Innovation	Design	В
				GOALI: Hybrid Cellular			
				Automata for Topology and			
				Topography Synthesis in		Systems	
		University of Notre		Automotive Structural	Engineering Design	Engineering and	
John	Renaud	Dame	0800290	Design	and Innovation	Design	С
				Uncertainty Quantification			
				for the Kinematic Approach		Systems	
		University of South		to Compliant Mechanism	Engineering Design	Engineering and	
Craig	Lusk	Florida	1000138	Design	and Innovation	Design	D
				SGER: A Hybrid			
				Computational Geometry			
				and Haptic Approach for			
				Enabling Interactive		Systems	
		University of South		Computer-Aided Design for	Engineering Design	Engineering and	
Susana	Lai-Yuen	Florida	841451	Bionanotechnology	and Innovation	Design	Α
				GOALI: Toward Super-			
				Robust Geometric		Systems	
		University of		Computation for Complex	Engineering Design	Engineering and	
Yong	Chen	Southern California	0927397	Component Design	and Innovation	Design	В
- U				Collaborative Research:			
				Extreme Experience Design		Systems	
		University of Texas,		for Breaking Barriers to	Engineering Design	Engineering and	
Carolyn	Seepersad	Austin	0825713	Innovation	and Innovation	Design	С
,	·			Collaborative Research:			
				Advanced Analogical			
				Search with Integrated		Systems	
		University of Texas,		Function and Form: The	Engineering Design	Engineering and	
Kristin	Wood	Austin	0855510	Verrocchio Project	and Innovation	Design	D
				,		Systems	
		University of		Configuration Modeling,	Engineering Design	Engineering and	
Vadim	Shapiro	Wisconsin, Madison	1029553	Design, and Analysis	and Innovation	Design	Α

			Grant		_		Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Automatic Generation of			
				Context-Dependent		0	
		I hali ya walifa ya f		Simplified Models to	Faring a diam Design	Systems	
I/ via la va a va	Curaah	University of	0700005	Support Interactive Virtual	Engineering Design	Engineering and	n
Krishnan	Suresh	Wisconsin, Madison	0726635	Assembly	and Innovation	Design	В
				CAREER: Next-Generation			
				Shape Optimization of		Systems	
		University of		Geometrically Complex	Engineering Design	Engineering and	
Krishnan	Suresh	Wisconsin, Madison	0745398	Artifacts	and Innovation	Design	С
		,		Graphics Hardware			
		University of		Accelerated Real-Time		Systems	
		Wisconsin,		Machinability Analysis of	Engineering Design	Engineering and	
Roshan	D'souza	Milwaukee	0968518	Free-Form Surfaces	and Innovation	Design	D
				CAREER: Collective			
				Innovation - Transforming		Systems	
l		Washington State		the Realization of Complex	Engineering Design	Engineering and	
Jitesh	Panchal	University	0954447	Engineering Systems	and Innovation	Design	A
				Collaborative Research:			
				EAGER - Managing Uncertainty by Integrating		Systems	
		Washington State		Information Economics and	Engineering Design	Engineering and	
Jitesh	Panchal	University	1042350	Robust Design	and Innovation	Design	В
OROGET .	T difforial	Pennsylvania State	1012000	CAREER: Foundations of	and minovation	Systems	+ -
		University,		Designing for Human	Engineering Design	Engineering and	
Matthew	Parkinson	University Park	0846373	Variability	and Innovation	Design	С
		·		CAREER: Parallel GPU		Systems	
		University of		Analysis for Real-Time	Engineering Design	Engineering and	
Sara	McMains	California, Berkeley	0547675	Manufacturability	and Innovation	Design	D
				Effective Resource		Systems	
				Allocation Mechanisms:		Engineering and	
Jay	Sethuraman	Columbia University	0916453	Fairness and Incentives	Operations Research	Design	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Monte Carlo Methods in			
				Engineering and Science:		Systems	
				From Coarse Analysis to		Engineering and	
Jose	Blanchet	Columbia University	0846816	Refined Estimators	Operations Research	Design	В
				Asymptotic Analysis and		Systems	
				Control of Stochastic		Engineering and	
Kavita	Ramanan	Brown University	1059967	Networks	Operations Research	Design	Α
						Systems	
				Analysis of Large-Scale		Engineering and	
Kavita	Ramanan	Brown University	1052750	Stochastic Systems	Operations Research	Design	D
						Systems	
		Carnegie Mellon		Computing Equilibria for		Engineering and	
Javier	Pena	University	0855707	Large Sequential Games	Operations Research	Design	Α
		·		Collaborative Research:			
				Reformulation-Linearization			
				Technique for Discrete and			
				Continuous Nonconvex		Systems	
				Optimization with		Engineering and	
Warren	Adams	Clemson University	0968909	Applications	Operations Research	Design	В
		j		Collaborative Research:			
				Inference, Analysis, and		Systems	
				Assessment in Simulation		Engineering and	
Shane	Henderson	Cornell University	0800688	Optimization	Operations Research	Design	С
		j		CAREER: Real-Time			
				Stochastic Optimization with			
				Large Structured Strategy		Systems	
				Sets and High-Volume Data		Engineering and	
Paat	Rusmevichientong	Cornell University	0746844	Streams	Operations Research	Design	D
	j	1		Collaborative Research:		Ĭ	
				Adaptive Allocation Rules in		Systems	
				High-Dimensional Settings,		Engineering and	
Paat	Rusmevichientong	Cornell University	0855928	with Applications	Operations Research	Design	Α
		1		Stochastic Control In		Systems	1
		Georgia Institute of		Semiconductor Supply		Engineering and	
John	Vande Vate	Technology	0825840	Chain	Operations Research	Design	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		Georgia Tech					
		Research					
		Corporation,				Systems	
		Georgia Institute of		Integer Programming Under		Engineering and	
Shabbir	Ahmed	Technology	0758234	Uncertainty	Operations Research	Design	С
		Georgia Tech					
		Research					
		Corporation,		Analysis and Control of		Systems	
		Georgia Institute of		Large-scale Service		Engineering and	
Jiangang	Dai	Technology	1030589	Systems	Operations Research	Design	D
		Georgia Tech					
		Research		Collaborative Research:			
		Corporation,		Fundamentals of Convex		Systems	
		Georgia Institute of		Mixed Integer Nonlinear		Engineering and	
Santanu	Dey	Technology	1030422	Programming	Operations Research	Design	Α
				CAREER: Constrained			
		Georgia Tech		Ranking and Selection and			
		Research		Discrete Optimization via			
		Corporation,		Simulation with Applications		Systems	
		Georgia Institute of		to Water Resource		Engineering and	
Seong-Hee	Kim	Technology	0644837	Allocation	Operations Research	Design	В
		Georgia Tech					
		Research					
		Corporation,		Algorithms for Large Scale		Systems	
		Georgia Institute of		Convex and Cone		Engineering and	
Renato D. C.	Monteiro	Technology	0900094	Programming	Operations Research	Design	С
		Massachusetts		Online Optimization for		Systems	
		Institute of		Dynamic Resource		Engineering and	
Patrick	Jaillet	Technology	1029603	Allocation Problems	Operations Research	Design	D

Et an			Grant	0 (7)		O 1 1	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				CAREER: New Algorithmic			
				Approaches to			
				Computationally Challenging			
		Massachusetts		Stochastic Supply Chain		Systems	
		Institute of		and Revenue Management		Engineering and	
Retsef	Levi	Technology	0846554	Models	Operations Research	Design	Α
		Massachusetts				Systems	
		Institute of		Price of Anarchy and Its		Engineering and	
Georgia	Perakis	Technology	0758061	Applications	Operations Research	Design	В
						Systems	
		New Jersey Institute		Algorithms and Complexity		Engineering and	
James	Calvin	of Technology	0825381	for Global Optimization	Operations Research	Design	С
				Modeling and Simulation of			
				Complex Stochastic			
				Systems and Cascading		Systems	
		New Jersey Institute		Failures, with Applications to		Engineering and	
Marvin	Nakayama	of Technology	0926949	the Electric Power Grid	Operations Research	Design	D
				Stochastic Kriging: Modeling		Systems	
		Northwestern		and Controlling Uncertainty		Engineering and	
Jeremy	Staum	University	0900354	in Simulation	Operations Research	Design	Α
				Collaborative Research:			
		Ohio State		Stochastic Multi-scale		Systems	
0		University Research		Optimization for Energy	O (' D	Engineering and	
Suvrajeet	Sen	Foundation	0900070	Resource Planning	Operations Research	Design	В
				CAREER: Semidefinite		Cuatama	
				Programming with		Systems	
Alexandre	d'Aspremont	Princeton University	0844795	Applications in Statistical Learning	Operations Research	Engineering and Design	С
Alexallule	u Aspremont	Finite ton University	0044795	Collaborative Research:	Operations Research	บะงเนิเ	
				Stochastic Multi-scale		Systems	
				Optimization for Energy		Engineering and	
Warren	Powell	Princeton University	0856153	Resource Planning	Operations Research	Design	D
vvailell	r owell	F Tinceton Oniversity	0000100	incoduice riaililling	Operations Research	Design	U

First Name	Last Name	Organization	Grant Number	Grant Title	Program Area	Cluster	Poster Group
i ii st italiic	Last Haine	Organization	Number	Grant Title	i rogram Area	Olusiel	Group
				Collaborative Research:			
				Generating Stronger Cuts			
				for Nonlinear Programs Via		Systems	
				Orthogonal Disjunctions and		Engineering and	
Mohit	Tawarmalani	Purdue University	0900065	Lifting Techniques	Operations Research	Design	А
				CAREER: Robust Modeling		Systems	
		Rensselaer		and Analysis of Discrete-		Engineering and	
Wai Kin Victor	Chan	Polytechnic Institute	0644959	Event Dynamic Systems	Operations Research	Design	В
				Collaborative Research:			
				Successive Risk-Neutral			
				Approximations of Dynamic		Systems	
				Risk-Averse Optimization		Engineering and	
Andrzej	Ruszczynski	Rutgers University	0965689	Problems	Operations Research	Design	С
				Optimization Over Positive			
				or Sum-of-Square Functions			
				with Applications to			
				Constrained Approximation		Systems	
		Rutgers University,		and Shape Constrained		Engineering and	
Farid	Alizadeh	Newark	0935305	Learning	Operations Research	Design	D
				EAGER: Efficient Pricing for			
				Dynamic Resource		Systems	
	1		0040404	Allocation in Transportation		Engineering and	
Ramesh	Johari	Stanford University	0948434	Systems	Operations Research	Design	A
				Collaborative Research:			
				Uncountable Markov			
				Decision Processes and			
		State University of		their Applications to		Systems	
		New York, Stony		Optimization of Large-Scale		Engineering and	
Eugene	Feinberg	Brook	0900206	Stochastic Systems	Operations Research	Design	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
		State University of				Systems	
		New York, Stony		Constrained Optimization of		Engineering and	
Eugene	Feinberg	Brook	0928490		Operations Research	Design	С
				Collaborative Research:			
		State University of		Combining Gradient and		Systems	
		New York, Stony		Adaptive Search in		Engineering and	
Jiaqiao	Hu	Brook	0900332	Simulation Optimization	Operations Research	Design	D
				Collaborative Research:			
				Successive Risk-Neutral			
				Approximations of Dynamic		Systems	
		Stevens Institute of		Risk-Averse Optimization		Engineering and	
Darinka	Dentcheva	Technology	0965702	Problems	Operations Research	Design	Α
				Collaborative Research:		Systems	
		University of		Mathematical Programming		Engineering and	
Laurent	El Ghaoui	California, Berkeley	0969923	for Streaming Data	Operations Research	Design	В
				Polyhedral Combinatorics			
				and Algorithms for		Systems	
				Stochastic Integer		Engineering and	
Yongpei	Guan	University of Florida	0942154	Programming	Operations Research	Design	С
				CAREER: A Study of			
				Stochastic and Robust			
				Integer Programming:		Systems	
				Algorithms, Computations		Engineering and	
Yongpei	Guan	University of Florida	0942156	and Applications	Operations Research	Design	D
				Theory and Applications of			
				Stochastic First-order			
				Methods for Large-scale		Systems	
				Stochastic Convex		Engineering and	
Guanghui	Lan	University of Florida	1000347	Optimization	Operations Research	Design	Α

First Name	Lost Name	Overenization	Grant	Cront Title	Dunament Aven	Chroton	Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research: Generating Stronger Cuts			
				for Nonlinear Programs Via		Systems	
				Orthogonal Disjunctions and		Engineering and	
Jean-Philippe	Richard	University of Florida	0856605	Lifting Techniques	Operations Research	Design	В
ocarr rimppe	Monara	Chiversity of Florida	0000000	Litting recrimques	Operations research	Design	
				Optimization Algorithms for		Systems	
		University of Illinois,		Problems with Stochastic		Engineering and	
Tito	Homem-de-Mello	Chicago	1033051	Dominance Constraints	Operations Research	Design	С
11.0	Tromom do mono	- Criioago	1000001	Derimanes Centerante	operations recourses	D coigin	
				Collaborative Research:			
				Optimization Approach to		Systems	
		University of Illinois,		Collaborative Games in		Engineering and	
Xin	Chen	Urbana-Champaign	0653909	Supply Chain Management	Operations Research	Design	D
7	G	- Cristina Cristinpaligi	000000	Cappiy Chain management	o postanos se recocaros.	Systems	_
		University of Illinois,		CAREER: Cooperative Multi-		Engineering and	
Angelia	Nedich	Urbana-Champaign	0742538	Agent Optimization	Operations Research	Design	Α
		University of		Optimal Resource		Systems	
		Minnesota, Twin		Management: Complexity,		Engineering and	
Zhi-Quan	Luo	Cities	0726336	Duality and Approximation	Operations Research	Design	В
				Collaborative Research:			
				Fundamentals of Convex		Systems	
		University of		Mixed Integer Nonlinear		Engineering and	
Juan Pablo	Vielma Centeno	Pittsburgh	1030662	Programming	Operations Research	Design	С
		Ŭ		Novel Optimization-Based	,	Systems	
		University of		Biclustering Algorithms for		Engineering and	
Oleg	Prokopyev	Pittsburgh	0825993	Biomedical Data Analysis	Operations Research	Design	D
				CAREER: Robust Design			
				and Control of Parallel			
				Server Systems: Analysis			
				via Augmented Fluid Models		Systems	
		University of		and Heavy-Traffic		Engineering and	
Tolga	Tezcan	Rochester	0954126	Asymptotic Regimes	Operations Research	Design	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
		University of		Reliability Analysis of Spatial		Systems	
		Tennessee,		Systems with Local		Engineering and	
Way	Kuo	Knoxville	0825908	Interactions	Operations Research	Design	В
				Designing and Controlling		Systems	
		University of Texas,		Processing Networks with		Engineering and	
John	Hasenbein	Austin	0800676	Parameter Uncertainty	Operations Research	Design	С
				Collaborative Research:			
				Decision-Dependent		Systems	
		University of Texas,		Stochastic Processes		Engineering and	
Elmira	Popova	Austin	0855577	Inference and Optimization	Operations Research	Design	D
						Systems	
		University of Texas,		Prioritization via Stochastic		Engineering and	
David	Morton	Austin	0653916	Optimization	Operations Research	Design	Α
				Optimal Time-Reversible		Systems	
		University of		Policies for Markov Decision		Engineering and	
Randy	Cogill	Virginia	1030832	Processes	Operations Research	Design	В
				CAREER: Risk			
				Management via Stochastic			
				Programming: Models,		Systems	
		University of		Computation, and		Engineering and	
James	Luedtke	Wisconsin, Madison	0952907	Applications	Operations Research	Design	С
				Collaborative Research:			
				Reformulation-Linearization			
				Technique for Discrete and			
		Virginia Polytechnic		Continuous Nonconvex		Systems	
		Institute and State		Optimization with		Engineering and	
Hanif	Sherali	University	0969169	Applications	Operations Research	Design	D
				Branch Decomposition		Systems	
		William Marsh Rice		Techniques for Submodular		Engineering and	
Illya	Hicks	University	0926618	Optimization	Operations Research	Design	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Proposal: Full-			
				Spectral Interrogation of			
				Fiber Bragg Grating		Systems	
		Brigham Young		Sensors for Damage	Sensors and Sensing	Engineering and	
Stephen	Schultz	University	0900747	Identification	Systems	Design	В
				CAREER: Fusion of Multi-			
				scale Sensing and			
				Simulations for Bridge Scour			
				Risk Management: An		Systems	
		Case Western		Integrated Research and	Sensors and Sensing	Engineering and	
Xiong	Yu	Reserve University	0846475	Educational Plan	Systems	Design	С
				GOALI: An Innovative Real			
				Time Bridge Scour Sensor		Systems	
		Case Western		for Bridge Risk	Sensors and Sensing	Engineering and	
Xiong	Yu	Reserve University	0900401	Management	Systems	Design	D
				A Novel Concept for Micro-			
				Power Generation Using		Systems	
				Flow-induced Self-excited	Sensors and Sensing	Engineering and	
Mohammed	Daqaq	Clemson University	1000667	Oscillations	Systems	Design	Α
				Modeling of Data			
				Transmission Process for			
				Wireless Sensors on		Systems	
				Industrial Rotating	Sensors and Sensing	Engineering and	
Yong	Huang	Clemson University	0728035	Structures	Systems	Design	В
				Non-Self-Jamming Passive		Systems	
				Telemetry with Sensor	Sensors and Sensing	Engineering and	
Edwin	Kan	Cornell University	0928596	Integration	Systems	Design	С
		Georgia Tech					
		Research		Periodic Cellular			
		Corporation,		Piezoelectric Sensors and		Systems	
		Georgia Institute of		Actuators for Frequency	Sensors and Sensing	Engineering and	
Massimo	Ruzzene	Technology	0800263	Based Wave Steering	Systems	Design	D
				Adaptive Mobile Sensor		Systems	
		Georgia Institute of		Networks for Structural	Sensors and Sensing	Engineering and	
Yang	Wang	Technology	0928095	Health Monitoring	Systems	Design	Α

First Name	Last Name	Organization	Grant Number	Grant Title	Brogram Araa	Cluster	Poster Group
FIISt Name	Last Name	Organization	Number	Grant Title	Program Area	Ciustei	Group
				High-Resolution Electrical		Systems	
		Iowa State		Sensing of Surface Charges	Sensors and Sensing	Engineering and	
Santosh	Pandey	University	1000808	and Currents of Living Cells	Systems	Design	В
Caritosii	landcy	Offiversity	1000000	A Wirelessly Preemptive	Oysterns .	Design	+ -
				Sensing System for Quasi-		Systems	
				Realtime Earthquake	Sensors and Sensing	Engineering and	
Shamim	Pakzad	Lehigh University	0926898	Monitoring of Bridges	Systems	Design	С
Onamin	i akzau	Leriigii Oriiversity	0920090	Wireless Signal Networks	Oystems .	Design	
				for Subsurface Modeling		Systems	
				and Geo-Event	Sensors and Sensing	Engineering and	
Sibel	Pamukcu	Lehigh University	0855603	Characterization	Systems	Design	D
Sibei	ramukcu	Lerligh Onliversity	0000000	Characterization	Systems	Systems	+ -
		Michigan State		A Sub-Microwatt Self-	Sensors and Sensing	Engineering and	
Shantanu	Chakrahartty	University	0700632	Powered Fatigue Sensor	Systems	Design	
Shantanu	Chakrabartty	University	0700032	CAREER: Integrated	Systems	Design	A
				Research and Education in			
				Self-powered Micro-sensing			
				for Embedded and		Systems	
		Michigan State		Implantable Structural	Sensors and Sensing	Engineering and	
Shantanu	Chakrabartty	Michigan State University	0954752	Health Monitoring	Systems		В
Shantanu	Chakrabanty	University	0934732	A Multi-functional Fiber	Systems	Design	Ь
				Optic Sensor Platform Using		Systems	
		Mississippi State		a Time Domain Sensing	Sensors and Sensing	Engineering and	
Chuji	Wang	University	0927539	Scheme	Systems	Design	С
Criuji	vvarig	Oniversity	0927539	Surface Plasmon	Systems	Systems	+ -
		Northwestern		Photoacoustic Imaging of	Concord and Consing	Engineering and	
Ohmusaasi	Dologun		1001574	5 5	Sensors and Sensing		
Oluwaseyi	Balogun	University	1031574	Subsurface Objects Little Eddies and Small	Systems	Design	D
		Dolutochnic		Vibrations: Untapped		Cueteme	
		Polytechnic		Sources for Energy	Concern and Concine	Systems	
Marries	Doutini	University of New	0000704	Harvesting in Aquatic	Sensors and Sensing	Engineering and	_
Maurizio	Porfiri	York	0926791	Environments	Systems	Design	Α

		Grant				Poster
Last Name	Organization	Number		Program Area	Cluster	Group
					,	
	D:	0054007				
Wysocki	Princeton University	0954897		Systems		В
	Otavana lastituta af			0	-	
Ch:		0000440		_		
Sni	rechnology	0826418	Monitoring of Structures	Systems	Design	С
			DDDAS - SMPD: A			
					Systems	
	Texas Engineering				1 '	
Ding		0540132		_		D
	ZAPONINONI GIAGON	0010102	or tring raising eyeteine	Cyclema	D coign	+ -
			A High Throughput			
			Microfluidic Sensor for Real		Systems	
			Time Health Monitoring of	Sensors and Sensing	Engineering and	
Zhe	University of Akron	0968736	Rotating Machinery	Systems	Design	Α
					,	
0		0055400				
Szivek	Arizona	0855493		Systems	Design	В
			· ·			
					Cyctomo	
	University of		_	Songare and Songing	,	
Huang	,	0800719	· ·		ŭ ŭ	С
ilualiy	Airaiisas	0000110		Oyalema		+ -
	University of			Sensors and Sensing	•	
l oh	•	1031754	•			D
	Last Name Wysocki Shi Ding Zhe Szivek Huang Loh	Wysocki Princeton University Stevens Institute of Technology Texas Engineering Experiment Station Zhe University of Akron University of Arizona University of Arkansas University of University of Arkansas University of Arkansas	Wysocki Princeton University 0954897 Stevens Institute of Technology 0826418 Texas Engineering Experiment Station 0540132 Zhe University of Akron 0968736 University of Arizona 0855493 University of Arkansas 0800718 University of University of O800718	Last Name Organization Number CAREER: Coherent Mid- Infrared Molecular Dispersion Spectroscopy for Ultra-Sensitive Chemical Detection NAFC Acoustic Emission Sensors for Real-time Monitoring of Structures DDDAS - SMRP: A Framework For the Dynamic Data-Driven Fault Diagnosis of Wind Turbine Systems A High Throughput Microfluidic Sensor for Real Time Health Monitoring of Rotating Machinery SENSORS: In Vivo Joint Regeneration Monitoring System to be Able to Establish Rehabilitation Vuniversity of Arizona Vuniversity of Huang Arkansas O800718 Bio-Inspired Sensing using Optoelectronic	Last Name Organization Number Grant Title Program Area CAREER: Coherent Mid- Infrared Molecular Dispersion Spectroscopy for Ultra-Sensitive Chemical Detection NAFC Acoustic Emission Sensors and Sensing Systems NAFC Acoustic Emission Sensors and Sensing Systems NAFC Acoustic Emission Sensors and Sensing Systems DDDAS - SMRP: A Framework For the Dynamic Data-Driven Fault Diagnosis of Wind Turbine Systems A High Throughput Microfluidic Sensor for Real Time Health Monitoring of Rotating Machinery Sensors and Sensing Systems A High Throughput Microfluidic Sensor for Real Time Health Monitoring of Rotating Machinery Sensors and Sensing Systems University of Akron O968736 Sensors and Sensing Systems Sensors and Sensing Systems	Cart Name

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Christopher	Lynch	University of California, Los Angeles	0802658	Piezoelectric Sensor/Actuator Rosettes For Noise And Vibration Control	Sensors and Sensing Systems	Systems Engineering and Design	А
Kimberly	Turner	University of California, Santa Barbara	0800753	Collaborative Research: Novel Microscale Resonant Sensors for Chemical and Biological Detection	Sensors and Sensing Systems	Systems Engineering and Design	В
Chengying	Xu	University of Central Florida	0927441	Micromachinable Polymer- Derived Ceramic Ultrahigh- Temperature Sensors	Sensors and Sensing Systems	Systems Engineering and Design	С
K. Jimmy	Hsia	University of Illinois, Urbana-Champaign	0952565	EAGER: Sensing of Nanoscale Features by the Living Cells	Sensors and Sensing Systems	Systems Engineering and Design	D
Alison	Flatau	University of Maryland, College Park	1000019	GOALI/Collaborative Research: Ferromagnetic Nanowires for Bio-inspired Microfluidic NanoElectroMechanical Systems (NEMS)	Sensors and Sensing Systems	Systems Engineering and Design	A
Bogdan	Epureanu	University of Michigan	0347327	CAREER: Next-Generation High-Sensitivity Damage Detection and Sensing Based on Enhancing Nonlinear Dynamics and Phase Space Pattern Recognition	Sensors and Sensing Systems	Systems Engineering and Design	В
Rajesh	Rajamani	University of Minnesota, Twin Cities	0856387	Interface Pressure Sensors for Plaster Cast and Other Biomedical Applications	Sensors and Sensing Systems	Systems Engineering and Design	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				MEMS Capacitive Plates			
				with Large Tunable Dynamic			
				Range for Voltage		Systems	
		University of		Conversion and Power	Sensors and Sensing	Engineering and	
Mahmoud	Almasri	Missouri, Columbia	0900727	Harvesting	Systems	Design	D
				CAREER: Multi-Functional,			
				High-Sensitivity Optical		Systems	
		Liniversity of		Sensors in Microstructured	Sensors and Sensing	Systems Engineering and	
Dong	Chen	University of Pittsburgh	0644681	Fibers	Systems	Design	
Peng	Crien	Fillsburgii	0044001	Enabling High Performance	Systems	Systems	A
		University of		Miniature Ionomeric	Sensors and Sensing	Engineering and	
Lisa	Weiland	Pittsburgh	0652937	Sensors	Systems	Design	В
LISA	vvelianu	Fillsburgii	0032937	Micro Passive Wireless	Systems	Design	Ь
				Temperature Sensor For		Systems	
		University of Puerto		Bearing Health Monitoring in	Concord and Consing	Engineering and	
Yi	Jia	Rico, Mayaguez	0757486	Harsh Environments	•	Design	С
TI	Jia	Rico, Mayaguez	0/3/400	Haisii Enviioninents	Systems	Systems	C
		University of the		EAGER: Environmental	Sensors and Sensing	Engineering and	
Byunggu	Yu	District of Columbia	0940393	Urban Runoff Monitoring	Systems	Design	D
Byunggu	Tu	District of Columbia	0940393	Fundamental Investigation	Systems	Design	
				of Pulsed Laser Irradiation		Systems	
				on Metal Oxide Gas Sensor	Sensors and Sensing	Engineering and	
Ahalapitiya	Jayatissa	University of Toledo	0933069	Performance	Systems	Design	Α
Alialapiliya	Jayalissa	Offiversity of Toledo	0933009	renomance	Systems	Design	
				Performance Enhancement			
				of PZT Thin-Film		Systems	
		University of		Microactuators via a Multi-	Sensors and Sensing	Engineering and	
I-Yeu	Shen	Washington	0826501	Scale, Multi-Domain Design	Systems	Design	В
				Bio-Inspired Inner-Ear			
				Microphones via a		Systems	
		University of		Piezoelectric Substrate and	Sensors and Sensing	Engineering and	
I-Yeu	Shen	Washington	1030047	Nanorods	Systems	Design	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				SIRG: Highly Multiplexed			
		Virginia Polytechnic		Optical Fiber Sensing		Systems	
		Institute and State		Networks for Infrastructure	Sensors and Sensing	Engineering and	
Anbo	Wang	University	0427951	Monitoring	Systems	Design	D
				Fully-Distributed Fiber-Optic			
		Virginia Polytechnic		Sensors for Pressure and		Systems	
		Institute and State		Transverse Stress	Sensors and Sensing	Engineering and	
Anbo	Wang	University	0800267	Measurement	Systems	Design	Α
				EAGER: Mathematical		Systems	
				Models for Large-Scale	Service Enterprise	Engineering and	
Ward	Whitt	Columbia University	0948190	Service Systems	Systems	Design	В
				Approximate Dynamic			
				Programming, Simulation		Systems	
				Optimization, and	Service Enterprise	Engineering and	
Shane	Henderson	Cornell University	0758441	Emergency Services	Systems	Design	С
		,		,	,	Systems	
				Statistical Analysis of	Service Enterprise	Engineering and	
Shane	Henderson	Cornell University	0926814	Emergency Services Data	Systems	Design	D
		,		,	,		
				Upgrades, Reneging and		Systems	
				Retrials: Advanced Dynamic	Service Enterprise	Engineering and	
Mark	Lewis	Cornell University	0826255	•	Systems	Design	Α
Mark	Lowis	Corrien Critically	0020200	Control of Control Cyclemic	Cycleme	2 co.g.:	1
				Approximate Dynamic			
				Programming for Perishable			
				Asset Management with			
				Applications in Dynamic		Systems	
				Pricing, Capacity Allocation	Service Enterprise	Engineering and	
Huseyin	Topaloglu	Cornell University	0825004	and Revenue Management	Systems	Design	В
i iuseyiii	Topalogiu	Corriell Orliversity	0023004	A General Framework for	Oysiellis	Design	Ь
						Systems	
				Incorporating Choice	Contino Enternaise	Systems	
l lugas da	Tomologic	Correct University	0000440	Models into Operations	Service Enterprise	Engineering and	
Huseyin	Topaloglu	Cornell University	0969113	Management Decisions	Systems	Design	С

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research: The			
		Georgia State		Nonatomic-Game Approach		Systems	
		University Research		to Revenue Management	Service Enterprise	Engineering and	
Yusen	Xia	Foundation	0855037	Under Competition	Systems	Design	D
Tusen	Λια	Georgia Tech	0000001	Onder Competition	Oysterns .	Design	
		Research		Resource Flexibility for			
		Corporation,		Uncertainty Mitigation in		Systems	
		Georgia Institute of		Production and Service	Service Enterprise	Engineering and	
Sigrun	Andradottir	Technology	0856600	Systems	Systems	Design	Α
Sigitari	Andradottii	Georgia Tech	0000000	Cysterns	Oysterns .	Design	
		Research					
		Corporation,				Systems	
		Georgia Institute of		Scalable Analysis for	Service Enterprise	Engineering and	
Jiangang	Dai	Technology	0727400	Customer Contact Centers	Systems	Design	В
Jiangang	Dai	Georgia Tech	0727400	Customer Contact Centers	Oysterns .	Design	
		Research					
		Corporation,				Systems	
		Georgia Institute of		Managing Debris Collection	Service Enterprise	Engineering and	
Ozlem	Ergun	Technology	1000085	and Disposal Operations	Systems	Design	С
OZICITI	Liguii	Georgia Tech	1000003	and Disposar Operations	Oysterns .	Design	
		Research					
		Corporation,		RAPID: Earthquake Debris		Systems	
		Georgia Institute of		Management in Haiti: Data-	Service Enterprise	Engineering and	
Ozlem	Ergun	Technology	1034840	driven Decision-Support	Systems	Design	D
OZICITI	Liguii	Georgia Tech	100-10-10	diveri Becision Support	Oysterns .	Design	
		Research		Decision Support for			
		Corporation,		Improved Financial and		Systems	
		Georgia Institute of		Environmental Performance	Service Enterprise	Engineering and	
Mark	Ferguson	Technology	0620763	of Product Leasing	Systems	Design	Α
IVIAIN	rorgasori	Georgia Tech	0020100	Collaborative Research:		Doolgii	+ ^
		Research		Model Accuracy and			
		Corporation,		Learning in Revenue		Systems	
		Georgia Institute of		Management and Dynamic	Service Enterprise	Engineering and	
Anton	Kleywegt	Technology	0700161	Pricing	Systems	Design	В
, 111011	I Noywogt	roomioogy	0100101	i nomg	Cystoris	Design	

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
Nicoleta	Serban	Georgia Tech Research Corporation, Georgia Institute of Technology	0954283	CAREER: Service Distribution Equity using Spatio-Temporal Statistical Foundations	Service Enterprise Systems	Systems Engineering and Design	С
Beril	Toktay	Georgia Tech Research Corporation, Georgia Institute of Technology	1031167	Fair and Efficient Implementation of Extended Producer Responsibility Legislation	Service Enterprise Systems	Systems Engineering and Design	D
Scott	Levin	Johns Hopkins University	0927207	Forecasting Demand for Pediatric Critical Care	Service Enterprise Systems	Systems Engineering and Design	A
Gangshu	Cai	Kansas State University	0927591	Collaborative Research on Studies of Multichannel Opaque Service Enterprise	Service Enterprise Systems	Systems Engineering and Design	В
Aurelie	Thiele	Lehigh University	0757983	Robust Portfolio Management with Uncertain Compounded Rates of Return	Service Enterprise Systems	Systems Engineering and Design	С
Georgia	Perakis	Massachusetts Institute of Technology	0824674	Alleviating Travel Delay Uncertainties in Traffic Assignment and Traffic Equilibrium	Service Enterprise Systems	Systems Engineering and Design	D
Jian	Yang	New Jersey Institute of Technology	0854803	Collaborative Research: The Nonatomic-Game Approach to Revenue Management Under Competition	Service Enterprise Systems	Systems Engineering and Design	A
Lauren	Davis	North Carolina AandT State University	1000018	Collaborative Research: Engineering Efficient and Equitable Food Distribution Under Uncertainty	Service Enterprise Systems	Systems Engineering and Design	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Optimization of the Design		Systems	
		North Carolina		and Operation of Surgery	Service Enterprise	Engineering and	
Brian	Denton	State University	0807144	Delivery Systems	Systems	Design	С
				CAREER: Optimization of			
				Screening and Treatment		Systems	
		North Carolina		Delivery Systems for	Service Enterprise	Engineering and	
Brian	Denton	State University	0844511	Chronic Diseases	Systems	Design	D
				Optimization of Medical		Systems	
		North Carolina		Treatment Decisions for	Service Enterprise	Engineering and	
Brian	Denton	State University	0969885	Type 2 Diabetes	Systems	Design	Α
Julie	lvy	North Carolina State University	1000828	Collaborative Research: Engineering Efficient and Equitable Food Distribution Under Uncertainty	Service Enterprise Systems	Systems Engineering and Design	В
	_			Design and Control		Systems	
		Northwestern		Principles for Non-Profit	Service Enterprise	Engineering and	
Seyed M. R.	Iravani	University	0654398	Supply Chains	Systems	Design	С
Sanjay	Mehrotra	Northwestern University	0928936	Multi-objective Robust Stochastic Planning and Scheduling of Healthcare Service Providers	Service Enterprise Systems	Systems Engineering and Design	D
				CAREER: Strategies to Improve Goods Movement:		Systems	
		Northwestern		Operational Choice in	Service Enterprise	Engineering and	
Karen	Smilowitz	University	0348622	Routing	Systems	Design	Α
		University of		Collaborative Research: Designing Distribution Centers for a Service	Service Enterprise	Systems Engineering and	
Russell	Meller	Arkansas	0600671	Economy	Systems	Design	В

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research:			
				Optimization of Intensity			
				Modulated Radiation		0	
		Liniversity of		Therapy with Time Varying Delivery Plans and Fraction	Comico Enternacion	Systems	
Ronald	Rardin	University of Arkansas	0813896	Constraints	Service Enterprise Systems	Engineering and Design	С
Ronald	Natuili	Alkalisas	0013090	Workshop: Healthcare	Systems	Design	
				Systems Engineering			
				Research and Education			
				Leadership Workshop;			
				University of Arkansas;		Systems	
		University of		Fayetteville, Arkansas; May	Service Enterprise	Engineering and	
Ronald	Rardin	Arkansas	1026179	20-21, 2010	Systems	Design	D
				GOALI: Robust and Efficient			
				Knowledge Discovery With			
				Application in Gene		Systems	
0		University of	0005740	Expression Based	Service Enterprise	Engineering and	
Samuel	Huang	Cincinnati	0825710	Diagnosis Pareto-Improving Road	Systems	Design	Α
				Pricing Schemes for	Service Enterprise	Systems Engineering and	
Siriphong	Lawphongpanich	University of Florida	0653804	Sustainable Mobility	Systems	Design	В
Ompriorig	Lawphongpanich	Offiversity of Florida	0000004	Collaborative Research:	Oysterns .	Design	
				Model Accuracy and			
				Learning in Revenue		Systems	
		University of Illinois,		Management and Dynamic	Service Enterprise	Engineering and	
Tito	Homem-de-Mello	Chicago	1033048	Pricing	Systems	Design	С
						Systems	
		University of Illinois,		Hilbert Transform Methods	Service Enterprise	Engineering and	
Liming	Feng	Urbana-Champaign	0927367	in Financial Engineering	Systems	Design	D
		University of		Balancing Timely Access		Systems	
Hari		Massachusetts,		and Patient-Physician	Service Enterprise	Engineering and	
Jagannathan	Balasubramanian	Amherst	1031550	Continuity in Primary Care	Systems	Design	Α

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Collaborative Research on		Systems	
		University of		Studies of Multichannel	Service Enterprise	Engineering and	
Xiuli	Chao	Michigan	0927631	Opaque Service Enterprise	Systems	Design	В
				O /O II.a.la			
				Symposium/Collaborative			
				Research: Carbon Supply			
		University of		Chain: A New Frontier for		Systems	
	L	Minnesota, Twin		Supply Chain Research;	Service Enterprise	Engineering and	
Saif	Benjaafar	Cities	1012672	Arlington, Virginia; Fall 2010	Systems	Design	С
				Collaborative Research:			
				Model Accuracy and			
		University of		Learning in Revenue		Systems	
		Minnesota, Twin		Management and Dynamic	Service Enterprise	Engineering and	
William	Cooper	Cities	0654362	Pricing	Systems	Design	D
				Collaborative Research:			
		University of North		Priority Dispatching of		Systems	
		Carolina, Chapel		Patients in the Aftermath of	Service Enterprise	Engineering and	
Nilay	Argon	Hill	0927607	a Mass-Casualty Event	Systems	Design	Α
				Collaborative Research:			
				Workforce Management in		Systems	
		University of		Labor-Intensive Service	Service Enterprise	Engineering and	
Noah	Gans	Pennsylvania	0800645	Operations	Systems	Design	В
				CAREER: Next-Generation		Systems	
		University of		Research and Education in	Service Enterprise	Engineering and	
Andrew	Schaefer	Pittsburgh	0546960	Therapeutic Optimization	Systems	Design	С
						Systems	
		University of		Optimizing Flu Shot Design	Service Enterprise	Engineering and	
Andrew	Schaefer	Pittsburgh	0826141	Under Uncertainity	Systems	Design	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				Workshop: Models of			
				Intercultural Service			
				Systems: Scholarly			
				Discussion for Building a			
				Research Agenda; San		Systems	
		University of Puerto		Juan, Puerto Rico; May 19 to	Service Enterprise	Engineering and	
Alexandra	Medina-Borja	Rico, Mayaguez	0930811	22, 2009	Systems	Design	Α
				EAGER: Co-Evolution of			
				Social Service Delivery		Systems	
		University of Puerto		Networks and Population	Service Enterprise	Engineering and	
Alexandra	Medina-Borja	Rico, Mayaguez	1032262	Dynamics	Systems	Design	В
						Systems	
		University of Texas,		SGER: Resource Allocation	Service Enterprise	Engineering and	
J. Eric	Bickel	Austin	0907794	and the Value of Information	Systems	Design	С
				CAREER: Accurate and			
				Efficient Modeling of			
				Probabilistic Dependence		Systems	
		University of Texas,		and its Impact on Decision	Service Enterprise	Engineering and	
J. Eric	Bickel	Austin	0954371	Making Under Uncertainty	Systems	Design	D
						Systems	
		University of		CAREER: Service Quality	Service Enterprise	Engineering and	
Yongpin	Zhou	Washington	0645075	and Its Operational Impacts	Systems	Design	Α
				EAGER: Improvability			
				Theory for Hospital			
				Emergency Department: A		Systems	
		University of		System-Theoretic Method to	Service Enterprise	Engineering and	
Jingshan	Li	Wisconsin, Madison	0947953	Reduce Crowding	Systems	Design	В
				Optimal Design of the Liver			
				Allocation System		Systems	
		University of		Considering Patient	Service Enterprise	Engineering and	
Oguzhan	Alagoz	Wisconsin, Madison	0700094	Preferences	Systems	Design	С
				CAREER: Optimizing		Systems	
		University of		Disease Screening and	Service Enterprise	Engineering and	
Oguzhan	Alagoz	Wisconsin, Madison	0844423	Diagnosis	Systems	Design	D

			Grant				Poster
First Name	Last Name	Organization	Number	Grant Title	Program Area	Cluster	Group
				GOALI/Collaborative			
				Research: Event-Log-Based			
				Failure Prediction and			
				Maintenance Service for		Systems	
		University of		After-Sales Engineering	Service Enterprise	Engineering and	
Shiyu	Zhou	Wisconsin, Madison	0757683	Systems	Systems	Design	Α
Douglas	Bish	Virginia Polytechnic Institute and State University		Evacuation Planning with Demand Management	Service Enterprise Systems	Systems Engineering and Design	В
Hanif	Sherali	Virginia Polytechnic Institute and State University		Integrated Operations Planning Models and Algorithms for the Airline Industry	Service Enterprise Systems	Systems Engineering and Design	С
		Wichita State		EACED: Energy Use in	Sancias Enterprise	Systems	
Janet	Twomey	University	0946342	EAGER: Energy Use in Healthcare Services	Service Enterprise Systems	Engineering and Design	D