

**2011 NSF CMMI Grantee Poster Schedule**

<b>First Name</b>	<b>Last Name</b>	<b>Organization</b>	<b>Grant Number</b>	<b>Grant Title</b>	<b>Program Area</b>	<b>Cluster</b>	<b>Poster Group</b>
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	B
Anand	Jagota	Lehigh University	1014960	IDR: Coupling Theory and Experiment to Quantify Biomolecule-Nanomaterial Interactions	Interdisciplinary Research	Advanced Manufacturing	C
Andrew	Gouldstone	Northeastern University	1014806	IDR/Collaborative Research: Activities in Thermal Spray Processing and Volcanology	Interdisciplinary Research	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	B
Burak	Ozdoganlar	Carnegie Mellon University	0728157	Fabrication of Single-Crystal Diamond Micro-Endmills for Micromachining Applications	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C

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Laine	Mears	Clemson University Research Foundation	0800507	Machining Accuracy Improvement Through Visual Control of an Active Display	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Laine	Mears	Clemson University Research Foundation	0954318	CAREER: Model-Based Control of Machining Processes and Scalability for Manufacturing System Control	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Yong	Huang	Clemson University	0747959	CAREER: Understanding Process-Induced Damage in Laser-Assisted Cell Direct Writing - Bridging Manufacturing Science and Biomedical Research	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Y. Lawrence	Yao	Columbia University	0936171	EAGER: Transmission Welding and Single-Step Channeling of Transparent Materials by Ultrafast Laser	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
David	Wootton	Cooper Union	0654244	Collaborative Research: Electrowetting Micro Array Printing System for Bioactive Tissue Construct Manufacturing	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
David	Wootton	Cooper Union	0800743	GOALI/Collaborative Research: Design and Manufacturing of Bioactive Surgical Fixation Devices Using Injection Molding of Gradient Cellular Structures	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A

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Jack	Zhou	Drexel University	0700139	Collaborative Research: Electrowetting Micro Array Printing System for Bioactive Tissue Construct Manufacturing	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Jack	Zhou	Drexel University	0800735	GOALI/Collaborative Research: Design and Manufacturing of Bioactive Surgical Fixation Devices Using Injection Molding of Gradient Cellular Structures	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
Steven	Danyluk	Georgia Tech Research Corporation, Georgia Institute of Technology	1042187	EAGER: New Concept for Low Cost, High Throughput Inspection for Cracks in PV Manufacturing	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Kyriaki	Kalaitzidou	Georgia Tech Research Corporation, Georgia Institute of Technology	1000323	Freeform Fabrication of Multifunctional Nanocomposites via Selective Laser Sintering	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
David	Rosen	Georgia Tech Research Corporation, Georgia Institute of Technology	0900322	Drop-on-Demand Deposition of Complex Fluids for 3-D Manufacturing	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
I. Charles	Ume	Georgia Tech Research Corporation, Georgia Institute of Technology	0653730	Laser Ultrasound Inspection System for Quality Evaluation of Emerging Complex Packaged Electronic Devices	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C

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Roshan	Vengazhiyil	Georgia Tech Research Corporation, Georgia Institute of Technology	0654369	An Engineering-Statistical Approach to Predictive Modeling and Robust Optimization with Applications to Machining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Donggang	Yao	Georgia Tech Research Corporation, Georgia Institute of Technology	0800016	GOALI/Collaborative Research: Design and Manufacturing of Bioactive Surgical Fixation Devices Using Injection Molding of Gradient Cellular Structures	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Benxin	Wu	Illinois Institute of Technology	0826184	Collaborative Research: Mathematical Modeling and Experimental Study of Femtosecond Laser Machining of High Aspect Ratio Microstructures	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Benxin	Wu	Illinois Institute of Technology	0970079	Collaborative Research: Electromagnetic Peening Assisted Laser Micromachining (EPALM) - A Hybrid Micromachining Process with Enhanced Mechanical Properties	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
Ashraf	Bastawros	Iowa State University	0654162	Collaborative Research: Focused Electric Field Induced Ion Transport: A Patterning Process	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Abhijit	Chandra	Iowa State University	0900093	Rapid Process Development for Chemical Mechanical Planarization	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A

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Pal	Molian	Iowa State University	0944565	EAGER/Collaborative Research: Nanocomposite Copper Tooling for Faster Cycle and Improved Precision in Plastic Molding - Proof of Concept	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Pal	Molian	Iowa State University	1029072	Shock Wave Induced Freeform Technique (SWIFT) for Manufacturing of Diamond Microtools	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
Pranav	Shrotriya	Iowa State University	1000035	Two-Dimensional Cutting of Polycrystalline Diamond and CBN Tools and Dies using a Novel Laser/Waterjet Hybrid Manufacturing Process	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Zhijian	Pei	Kansas State University	0348290	CAREER: Fundamental Research on Silicon Wafer Fine Grinding to Foster a Quantum Leap in Manufacturing of Silicon Wafers	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Zhijian	Pei	Kansas State University	0900462	Collaborative Research: Fundamental Research on Titanium Drilling with Rotary Ultrasonic Machining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Zhijian	Pei	Kansas State University	0970112	Ultrasonic Vibration-Assisted Pelleting of Cellulosic Biomass for Biofuel Manufacturing	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C

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Wenqiao	Yuan	Kansas State University	0954885	CAREER: Multi-Scale Structured Solid Carriers Enabling Algae Biofuel Manufacturing in the Ocean	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Anthony	Okafor	Missouri University of Science and Technology	0800871	Development of Virtual CNC Machine Tools and Web-Based Machining Process Simulation and Learning	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Ming	Leu	Missouri University of Science and Technology	0856419	GOALI: Freeze-form Extrusion Fabrication of Composite Structures Using Ultra High Temperature Ceramics and Refractory Metals	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Zeb	Barber	Montana State University	1031211	GOALI: Accurate, High Resolution Ladar for 3D Metrology at Large Standoff Distances	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
Salil	Desai	North Carolina AandT State University	0846562	CAREER: Hybrid Approach to Direct-Write Based Micro and Nano Manufacturing	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Zhichao	Li	North Carolina AandT State University	0953502	CAREER: Fundamental Research on Rotary Ultrasonic Machining of Dental Ceramic Materials	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Thomas	Dow	North Carolina State University	0800560	Material Effects and Tool Wear in Vibration-Assisted Machining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B

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Ranga	Komanduri	Oklahoma State University	1000978	Characterization and Real Time Defect Mitigation in Chemical/Mechanical Polishing of Microelectronic Wafers Using Decision Theory and MultiSensor Fusion	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
Don	Lucca	Oklahoma State University	0529085	Sensors: Synthesis of Active Quantum Dot Infra-Red (IR) Sensors	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Srinivasan	Chandrasekar	Purdue University	0928337	GOALI/Collaborative Research: Engineered Surface Microstructures by Machining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Srinivasan	Chandrasekar	Purdue University	1031056	Collaborative Research: Controlling Surface Damage in Machining of Hierarchical Biological Composites	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Gary	Cheng	Purdue University	0900327	Nanostructures Integrated Laser Shock Peening (nLSP) Processes and Their Mechanisms for Enhanced Fatigue Performance	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
Gary	Cheng	Purdue University	1000226	Collaborative Research: Electromagnetic Peening Assisted Laser Micromachining (EPALM) - A Hybrid Micromachining Process with Enhanced Mechanical Properties	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D

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Yung	Shin	Purdue University	0653578	Pico-Second Laser Micro Hole Drilling of Ceramics and Ceramic Matrix Composites	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Yung	Shin	Purdue University	01030786	High Speed Picosecond Laser Scribing of Multilayer Thin Films in Solar Cell	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Tugrul	Ozel	Rutgers University, New Brunswick	0758220	Collaborative Research: Improving Machinability of Titanium Alloys using Physics-Based Simulation Modeling	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
Allen	Yi	The Ohio State University	0928521	Micro-Optics Based 3D Microfabrication System	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Kevin	Chou	University of Alabama, Tuscaloosa	0728228	Nano-Diamond Coated Cutting Tools: Modeling Tool Geometry Effects	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Kevin	Chou	University of Alabama, Tuscaloosa	0928627	GOALI/Collaborative Research: Interface Engineered Diamond Coatings for Dry Machining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Yuebin	Guo	University of Alabama, Tuscaloosa	0447452	CAREER: A Fundamental Study on Hard Turning - Prediction and Synthesis of Surface Integrity and Component Life	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C



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

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Tony	Schmitz	University of Florida	0928211	Collaborative Research: Unified Three-Dimensional Dynamic Modeling for Drilling and Milling Tool Assemblies (STaRC-3D)	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Tony	Schmitz	University of Florida	01005305	Workshop: Uncertainty in Machining; Washington, DC; February 24-26, 2010	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Hitomi	Yamaguchi Greenslet	University of Florida	1000380	Magnetic Field Assisted Nanomachining of Ultraprecision Surfaces	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
Shiv	Kapoor	University of Illinois, Urbana-Champaign	0856172	Mitigating Fouling of Membranes in the Microfiltration of Metal-Working Fluid for Sustainable Manufacturing	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Shiv	Kapoor	University of Illinois, Urbana-Champaign	1029221	Design of CNT Composite Microstructural Characteristics for Enhanced Engineering Functionality and Manufacturability	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
YuMing	Zhang	University of Kentucky Research Foundation	0726123	Measurement and Control of Dynamic Weld Pool Surface in Gas Metal Arc Welding	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
YuMing	Zhang	University of Kentucky Research Foundation	0825956	Control of Metal Transfer at Given Arc Variables	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C

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YuMing	Zhang	University of Kentucky Research Foundation	0927707	Machine-Human Cooperative Control of Welding Process	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Xingwei	Wang	University of Massachusetts, Lowell	0856204	Collaborative Research: Fundamental Research on Titanium Drilling with Rotary Ultrasonic Machining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Albert	Shih	University of Michigan	0620756	Tissue Machining - A Novel Surgical Thermal Management System (STMS)	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Albert	Shih	University of Michigan	0825795	Collaborative Research: Tissue Cutting Mechanics - Investigation of the Effective and Minimally Invasive Biopsy	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
Albert	Shih	University of Michigan	0927511	Collaborative Research: Design and Fundamental Understanding of Advanced Minimum Quantity Lubrication (MQL) Machining using Nanolubricants	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Kamlakar	Rajurkar	University of Nebraska, Lincoln	0728294	Modeling and Analysis of Material Removal and Tool Wear in Micro Ultrasonic Machining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Barry	Fussell	University of New Hampshire	0928602	Minimization of Force Model Uncertainty for CNC Milling Process Improvement	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B

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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	C
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	B
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	C
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	B

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Binil	Starly	University of Oklahoma	0846610	CAREER: Bio-Manufacturing Heterogeneous Multi-scale 3D Matrices for Engineering Living Tissue Systems	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
M. Ravi	Shankar	University of Pittsburgh	0856626	Measuring Thermomechanical Material Response During Micromachining by In Situ Scanning Electron Microscopy	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
M. Ravi	Shankar	University of Pittsburgh	0927410	GOALI/Collaborative Research: Engineered Surface Microstructures by Machining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Ashok	Kumar	University of South Florida	0727320	Study of Reliability and Modeling for Process Optimization and Yield Improvements in Chemical Mechanical Planarization	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Ashok	Kumar	University of South Florida	0928823	GOALI/Collaborative Research: Interface Engineered Diamond Coatings for Dry Machining	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
David	Bourell	University of Texas, Austin	0926316	Electrochemical Infiltration of Selective Laser Sintered Preforms	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Ioan	Marinescu	University of Toledo	0855769	The Fundamental Study of UV Bonding Abrasive Tools with Application to the Semiconductor Industry	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A

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Neil	Duffie	University of Wisconsin, Madison	0900044	GOALI: Automated Laser Micro Polishing System for Meso/Micro Engineered Parts/Devices	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Xiaochun	Li	University of Wisconsin, Madison	0824713	Collaborative Research: Embedding of Thin Film Sensors in Advanced Ceramic Tools for Micro/Nano Scale Thermomechanical Measurements in and Near Tool-Workpiece Interface	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	C
John	Patten	Western Michigan University	0757339	Micro Laser Assisted Machining of Semiconductors and Ceramics	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	D
Ramana	Grandhi	Wright State University	0758539	Simulation of Coil Wedge Effects in Sheet Rolling	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	A
Nathan	Klingbeil	Wright State University	0700509	GOALI/Collaborative Research: A Modeling Base for Process Development of Electron Beam Manufacturing	Manufacturing and Construction Machines and Equipment	Advanced Manufacturing	B
Esmā	Gel	Arizona State University	0654258	GOALI/Collaborative Research: Matching Demand and Supply Through Price	Manufacturing Enterprise Systems	Advanced Manufacturing	C
Jing	Li	Arizona State University	0825827	Regression-based Quality Improvement in Complex Systems with Consideration of Data Uncertainty	Manufacturing Enterprise Systems	Advanced Manufacturing	D

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

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Kwok-Leung	Tsui	Georgia Tech Research Corporation, Georgia Institute of Technology	0927592	Collaborative Research: Validation, Calibration, and Prediction of Computer Models with Functional Output	Manufacturing Enterprise Systems	Advanced Manufacturing	D
Roshan	Vengazhiyil	Georgia Tech Research Corporation, Georgia Institute of Technology	0448774	CAREER: Design and Analysis of Experiments for Developing Robust Products and Processes	Manufacturing Enterprise Systems	Advanced Manufacturing	A
Roshan	Vengazhiyil	Georgia Tech Research Corporation, Georgia Institute of Technology	1030125	Metamodel-Based Measurement, Control, and Optimization of Engineered Surfaces	Manufacturing Enterprise Systems	Advanced Manufacturing	B
Lawrence	Snyder	Lehigh University	0726822	Collaborative Research: Purchasing and Inventory Management in Disrupted Supply Chains: The Reverse Bullwhip Effect	Manufacturing Enterprise Systems	Advanced Manufacturing	C
Aurelie	Thiele	Lehigh University	0540143	DDDAS-SMRP: Robustness and Performance in Data-Driven Revenue Management	Manufacturing Enterprise Systems	Advanced Manufacturing	D
Joseph Y-T	Leung	New Jersey Institute of Technology	0969830	Collaborative Research: Container Scheduling - Complexity, Algorithms and Heuristics	Manufacturing Enterprise Systems	Advanced Manufacturing	A
Reha	Uzsoy	North Carolina State University	0928573	International Collaboration: Capacity Anticipation and Modeling for Production Planning with Flexible Resources	Manufacturing Enterprise Systems	Advanced Manufacturing	B



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Reha	Uzsoy	North Carolina State University	1029706	Next Generation Algorithms for Planning Production and Inventories with Uncertain Demand and Congestion	Manufacturing Enterprise Systems	Advanced Manufacturing	C
Daniel	Apley	Northwestern University	0758557	A Bayesian Treatment of Uncertainty in Simulation-Based Methods for Enhancing Process and Product Robustness	Manufacturing Enterprise Systems	Advanced Manufacturing	D
Daniel	Apley	Northwestern University	0826081	Collaborative Research: Blind Discovery of Variation Sources for Visualization by Multidisciplinary Teams	Manufacturing Enterprise Systems	Advanced Manufacturing	A
Diego	Klabjan	Northwestern University	0752726	Approximate Dynamic Programming in Complex Multi-Echelon Inventory and Production Systems	Manufacturing Enterprise Systems	Advanced Manufacturing	B
Simge	Kucukyavuz	Ohio State University	0917952	Mixed-Integer Optimization for Multi-Item Multi-Echelon Production and Distribution Planning	Manufacturing Enterprise Systems	Advanced Manufacturing	C
Tao	Yuan	Ohio University	0926420	Collaborative Research: Nonparametric Bayesian Modeling of Reliability of Nonelectronics	Manufacturing Enterprise Systems	Advanced Manufacturing	D
Satish T. S.	Bukkapatnam	Oklahoma State University	0729552	GOALI: Real-time Performance Prediction of Multi-Stage Manufacturing Systems using Nonlinear Stochastic Differential Equation Models	Manufacturing Enterprise Systems	Advanced Manufacturing	A

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Rasaratnam	Logendran	Oregon State University	1029471	A Generalized Framework for Scheduling of Printed Circuit Boards	Manufacturing Enterprise Systems	Advanced Manufacturing	B
Christodoulos	Floudas	Princeton University	0856021	Integrated Framework for Operational Planning and Scheduling Under Uncertainty	Manufacturing Enterprise Systems	Advanced Manufacturing	C
Hong	Wan	Purdue University	1030233	Collaborative Research: Optimal Sampling Plans in Supply Chains with Endogenous Product Quality	Manufacturing Enterprise Systems	Advanced Manufacturing	D
Jennifer	Ryan	Rensselaer Polytechnic Institute	0856379	Bayesian Inventory and Replacement Models Using Real-Time Condition Monitoring Information	Manufacturing Enterprise Systems	Advanced Manufacturing	A
Ying	Hung	Rutgers University, New Brunswick	0927572	Collaborative Research: Validation, Calibration, and Prediction of Computer Models with Functional Output	Manufacturing Enterprise Systems	Advanced Manufacturing	B
Xiaowei	Xu	Rutgers University, Newark	1030196	Collaborative Research: Optimal Sampling Plans in Supply Chains with Endogenous Product Quality	Manufacturing Enterprise Systems	Advanced Manufacturing	C
Yao	Zhao	Rutgers University, Newark	0747779	CAREER: Project-Driven Supply Chains (PDSCs) -- Integrating Supply Chain Planning With Project Management	Manufacturing Enterprise Systems	Advanced Manufacturing	D

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Yu	Ding	Texas Engineering Experiment Station	0348150	CAREER: Collaborative Information Processing of Distributed Sensor Networks for Manufacturing Quality Improvement	Manufacturing Enterprise Systems	Advanced Manufacturing	A
Yu	Ding	Texas Engineering Experiment Station	0727305	Collaborative Research: Fault Tolerance Analysis and Design of Clustered Sensor Networks	Manufacturing Enterprise Systems	Advanced Manufacturing	B
Natarajan	Gautam	Texas Engineering Experiment Station	0946935	EAGER: Reducing Energy Consumption in Data Centers	Manufacturing Enterprise Systems	Advanced Manufacturing	C
Yue	Kuo	Texas Engineering Experiment Station	0654172	Collaborative Research: Modeling Reliability for Scale-Driven Degradation and Spatial Defects	Manufacturing Enterprise Systems	Advanced Manufacturing	D
Russell	Meller	University of Arkansas	0742744	Collaborative Research: Developing an Engineering Virtual Organization for Discrete-Event Logistics Systems	Manufacturing Enterprise Systems	Advanced Manufacturing	A
Jiong	Tang	University of Connecticut	0900275	GOALI/Collaborative Research: Understanding and Controlling Variation Propagation in Periodic Structures: From Geometry to Dynamic Response	Manufacturing Enterprise Systems	Advanced Manufacturing	B
Joseph	Geunes	University of Florida	0927930	Collaborative Research: Mitigating the Cost of Anarchy in Complex Supply Chain Systems	Manufacturing Enterprise Systems	Advanced Manufacturing	C

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Qianmei	Feng	University of Houston	0970140	Collaborative Research: Integrated Modeling and Optimization of Manufacturing Variability and Product Reliability for Advanced and Evolving Technologies	Manufacturing Enterprise Systems	Advanced Manufacturing	D
Xin	Chen	University of Illinois, Urbana-Champaign	0926845	Coordinated Pricing and Inventory Management	Manufacturing Enterprise Systems	Advanced Manufacturing	A
Sunderesh	Heragu	University of Louisville Research Foundation	0946713	Collaborative Proposal: EARly-concept Grants for Exploratory Research (EAGER): Design Principles for Warehouses with Autonomous Vehicles (WAVE)	Manufacturing Enterprise Systems	Advanced Manufacturing	B
Xiuli	Chao	University of Michigan	0800004	Collaborative Research on Risk Management in Supply Chains Using Market Information	Manufacturing Enterprise Systems	Advanced Manufacturing	C
S. Jack	Hu	University of Michigan	0825438	GOALI: Modeling Product Variety Induced Manufacturing Complexity for Assembly System Design	Manufacturing Enterprise Systems	Advanced Manufacturing	D
Semyon	Meerkov	University of Michigan	0758259	GOALI: Transients of Production Systems: Theory and Applications for Real-Time Productivity Improvement	Manufacturing Enterprise Systems	Advanced Manufacturing	A
Saif	Benjaafar	University of Minnesota, Twin Cities	0856303	Collaborative Proposal: Optimizing the Supply Chain for Cost and Carbon Footprint	Manufacturing Enterprise Systems	Advanced Manufacturing	B

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Jeffrey	Kharoufeh	University of Pittsburgh	0856702	Collaborative Research: Adaptive Maintenance Planning Based on Evolving Residual Life Distributions	Manufacturing Enterprise Systems	Advanced Manufacturing	C
Haitao	Liao	University of Tennessee, Knoxville	0954667	CAREER: Adaptive Operational Coordination Methodology for Uncertainty Reduction in Product Life Cycle Reliability and Service Logistics	Manufacturing Enterprise Systems	Advanced Manufacturing	D
Haitao	Liao	University of Tennessee, Knoxville	0969060	Exploration of a Statistically Accurate and Energy Efficient Accelerated Testing Methodology	Manufacturing Enterprise Systems	Advanced Manufacturing	A
Sridhar	Seshadri	University of Texas, Austin	0905039	Collaborative Research on Risk Management in Supply Chains Using Market Information	Manufacturing Enterprise Systems	Advanced Manufacturing	B
Jingshan	Li	University of Wisconsin, Madison	0727691	GOALI: Quality Analysis in Flexible Manufacturing Systems: A Systems Approach	Manufacturing Enterprise Systems	Advanced Manufacturing	C
Jingshan	Li	University of Wisconsin, Madison	0952952	CAREER: Robust Production Systems: Theory and Applications	Manufacturing Enterprise Systems	Advanced Manufacturing	D
Ananth	Krishnamurthy	University of Wisconsin, Madison	0840811	i-PICS: Integration of Advance Demand Information with Pull-Type Production Control Systems	Manufacturing Enterprise Systems	Advanced Manufacturing	A

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Ananth	Krishnamurthy	University of Wisconsin, Madison	0946706	Collaborative Proposal: EARly-concept Grants for Exploratory Research (EAGER): Design Principles for Warehouses with Autonomous Vehicles (WAVE)	Manufacturing Enterprise Systems	Advanced Manufacturing	B
Zhiguang	Qian	University of Wisconsin, Madison	0969616	A Statistical Framework for the Design and Analysis of Multi-Fidelity Computer Experiments	Manufacturing Enterprise Systems	Advanced Manufacturing	C
Shiyu	Zhou	University of Wisconsin, Madison	0545600	CAREER: Multilevel Self-Improving Variation Modeling and Diagnosis for Complex Manufacturing Processes	Manufacturing Enterprise Systems	Advanced Manufacturing	D
Shiyu	Zhou	University of Wisconsin, Madison	0856222	GOALI/Collaborative Research: Understanding and Controlling Variation Propagation in Periodic Structures: From Geometry to Dynamic Response	Manufacturing Enterprise Systems	Advanced Manufacturing	A
Shiyu	Zhou	University of Wisconsin, Madison	0926084	Statistical Analysis and Control of Ultrasonic-based Aluminum Nano-composite Fabrication Processes	Manufacturing Enterprise Systems	Advanced Manufacturing	B
Jaime	Camelio	Virginia Polytechnic Institute and State University	0918055	EAGER: A Self-Healing Approach for Smart Assembly Systems	Manufacturing Enterprise Systems	Advanced Manufacturing	C

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

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



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

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John	Coulter	Lehigh University	0961071	EAGER: Collaborative Research: Dynamic Melt Control for the Manufacture of Enhanced Polymer-Based Biomedical Devices""	Materials Processing and Manufacturing	Advanced Manufacturing	A
John	Coulter	Lehigh University	1031642	GOALI: Intelligent Melt Rotation for Enhanced Injection Molding of Polymer and Nanocomposite Products	Materials Processing and Manufacturing	Advanced Manufacturing	B
John	DuPont	Lehigh University	0758622	Design and Fabrication of Graded Materials with the Laser Engineered Net Shaping Process	Materials Processing and Manufacturing	Advanced Manufacturing	C
Herman	Nied	Lehigh University	0856611	Thermoformed Composite Structures with Knitted Fiber Reinforcement	Materials Processing and Manufacturing	Advanced Manufacturing	D
Desheng	Meng	Michigan Technological University	0900582	Microfluidic Fabrication of Self-Healing Microfibers for Composite Construction Materials	Materials Processing and Manufacturing	Advanced Manufacturing	A
David	Van Aken	Missouri University of Science and Technology	0726888	(AHSS):Development of Nano-acicular Duplex Steels	Materials Processing and Manufacturing	Advanced Manufacturing	B
Cheol	Park	National Institute of Aerospace	0928839	Collaborative Research: Large-Scale Fabrication of Thin Polymer Nanocomposite Films	Materials Processing and Manufacturing	Advanced Manufacturing	C
Russell	Gorga	North Carolina State University	0800237	A Mechanistic Understanding of the Process-Property Relationships in an Alternative Electrospinning Process	Materials Processing and Manufacturing	Advanced Manufacturing	D

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Gracious	Ngaile	North Carolina State University	0448885	CAREER: Meso and Macro Hydroforming of Complex Shapes - Mechanics and Control	Materials Processing and Manufacturing	Advanced Manufacturing	A
Gracious	Ngaile	North Carolina State University	0900148	Ultrasonic Assisted Microextrusion and Microtube Hydroforming	Materials Processing and Manufacturing	Advanced Manufacturing	B
Afsaneh	Rabiei	North Carolina State University	0600596	Processing and Characterization of Functionally Graded Coatings for Bio-Medical Implants	Materials Processing and Manufacturing	Advanced Manufacturing	C
Tushar	Ghosh	North Carolina State University	0700700	GOALI: Design, Characterization and Processing of Carbon Nanofiber-Modified PVC as Fabric Sensor Composites for E-Textiles	Materials Processing and Manufacturing	Advanced Manufacturing	D
Jian	Cao	Northwestern University	0727843	Incremental Forming at Multi Scales	Materials Processing and Manufacturing	Advanced Manufacturing	A
Jian	Cao	Northwestern University	0928001	GOALI: Process Analysis and Variation Control in Micro-stamping	Materials Processing and Manufacturing	Advanced Manufacturing	B
Stephen	Davis	Northwestern University	0826703	Collaborative Research: Dynamics and Stability of Metallic Foams: Network Modelling	Materials Processing and Manufacturing	Advanced Manufacturing	C
Don	Lucca	Oklahoma State University	0521989	Collaborative Research: Atomic Plane Electrical Contacts	Materials Processing and Manufacturing	Advanced Manufacturing	D
Gary	Cheng	Purdue University	0802265	Laser Engineered Multilayer Bioactive Coatings with Hydroxyapatite Nano-Powders	Materials Processing and Manufacturing	Advanced Manufacturing	A

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Gary	Cheng	Purdue University	0809463	CAREER: A Hybrid High Strain Rate Forming Process - Laser Dynamic Forming for Micro- and Meso- Scale 3D Shapes	Materials Processing and Manufacturing	Advanced Manufacturing	B
Gary	Cheng	Purdue University	0928752	IDR/Collaborative Research: Manufacturing Functional Laminated Composites Structures on Patterned Uneven Three-Dimensional Surface	Materials Processing and Manufacturing	Advanced Manufacturing	C
Matthew John	Krane	Purdue University	0900624	GOALI: The Origin of Slag-Metal Interface Defects in Electroslag Remelting	Materials Processing and Manufacturing	Advanced Manufacturing	D
Lia	Stanciu	Purdue University	0758584	Processing of Ternary High Temperature Ceramic Composites With Enhanced Properties	Materials Processing and Manufacturing	Advanced Manufacturing	A
Rodney	Trice	Purdue University	0853297	Preparation of Ultra-Low Thermal Conductivity Coatings Via Suspension Plasma Spray Using a Defect Clustering Approach	Materials Processing and Manufacturing	Advanced Manufacturing	B
Kevin	Trumble	Purdue University	0800481	High-Strength Nanostructured Alloys via Novel Machining Processes	Materials Processing and Manufacturing	Advanced Manufacturing	C
Eugene	Olevsky	San Diego State University	0758232	Theory of Spark-Plasma Sintering	Materials Processing and Manufacturing	Advanced Manufacturing	D
K.	Morsi	San Diego State University Foundation	0826532	Novel Current-Activated Tip-based Sintering (CATS)	Materials Processing and Manufacturing	Advanced Manufacturing	A

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

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Avraam	Isayev	University of Akron	0654326	Theoretical and Experimental Studies of Novel Process for Compounding of Carbon Nanotubes and Nanofibers in Polymer Melts	Materials Processing and Manufacturing	Advanced Manufacturing	B
Sadhan	Jana	University of Akron	0727231	GOALI: Collaborative Research: Processing of Self-assembled, Bottom-Up Polymeric Nanocomposite Materials	Materials Processing and Manufacturing	Advanced Manufacturing	C
Shing-Chung	Wong	University of Akron	0746703	CAREER: Electrospinning-Enabled Bio-Inspired Materials Research and Education	Materials Processing and Manufacturing	Advanced Manufacturing	D
Mark	Weaver	University of Alabama, Tuscaloosa	0856320	A Novel Containerless Melting and Casting Process for Structural Cast Magnesium Alloys	Materials Processing and Manufacturing	Advanced Manufacturing	A
Linan	An	University of Central Florida	0800086	Collaborative Research: Making Nanostructured Ceramics from Micrometer-Sized Starting Powders	Materials Processing and Manufacturing	Advanced Manufacturing	B
Olusegun	Ilegbusi	University of Central Florida	0854208	Near-net Shape Processing of Functionally Graded Structural Material	Materials Processing and Manufacturing	Advanced Manufacturing	C
Jude	Iroh	University of Cincinnati	0758656	Development of Chromate-Free Hybrid Nanocomposite Coatings for the Protection of Metals Against Corrosion	Materials Processing and Manufacturing	Advanced Manufacturing	D

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

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



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

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Ian	Nettleship	University of Pittsburgh	0900254	Manufacturing the Microstructural Niche for Liver Tissue Bioreactors	Materials Processing and Manufacturing	Advanced Manufacturing	D
M. Ravi	Shankar	University of Pittsburgh	0826010	Self-Assembling Ductile and Tough Bulk Nanostructured Alloys of High Thermal-Stability	Materials Processing and Manufacturing	Advanced Manufacturing	A
Peng	Wang	University of Rhode Island	0927142	GOALI: Fundamental Material and Processing Studies on Hot-Melt Extrusion-A Novel Pharmaceutical Manufacturing Process	Materials Processing and Manufacturing	Advanced Manufacturing	B
Xiaodong	Li	University of South Carolina Research Foundation	0968843	High Throughput Manufacturing of Carbide Nanowire-Carbon Microfiber Hybrid Structures and Polymer Composites from Cotton Textiles	Materials Processing and Manufacturing	Advanced Manufacturing	C
Nathan	Crane	University of South Florida	0927637	High Yield Self Assembly of Functional Thermoelectric Devices	Materials Processing and Manufacturing	Advanced Manufacturing	D
Cheng	Luo	University of Texas, Arlington	0811888	Theoretical, Numerical and Experimental Studies of an Intermediate-Layer Lithography Approach	Materials Processing and Manufacturing	Advanced Manufacturing	A
Cheng	Luo	University of Texas, Arlington	01030659	Generation Of Sidewall Patterns Using A Thermal Shape-Memory Polymer	Materials Processing and Manufacturing	Advanced Manufacturing	B

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Shaochen	Chen	University of Texas, Austin	0555275	Collaborative Research: Massive Parallel Laser Direct-Write of Sub-micron Dent Array for Quantum Leap of Fatigue Performance	Materials Processing and Manufacturing	Advanced Manufacturing	C
Hongyan	Zhang	University of Toledo	1050362	EAGER: Feasibility Study of Hybrid Friction-Stir Riveting of Mg Alloys	Materials Processing and Manufacturing	Advanced Manufacturing	D
Giovanni	Zangari	University of Virginia	1029915	EAGER: Electrochemical Underpotential Co-deposition of Alloys: A Novel Manufacturing Technology	Materials Processing and Manufacturing	Advanced Manufacturing	A
Lucien	Brush	University of Washington	0827101	Collaborative Research: Dynamics and Stability of Metallic Foams: Network Modelling	Materials Processing and Manufacturing	Advanced Manufacturing	B
Shaoqin	Gong	University of Wisconsin, Madison	1032186	CAREER: Sustainable and Eco-Friendly Biobased/Biodegradable Polymers	Materials Processing and Manufacturing	Advanced Manufacturing	C
Frank	Pfefferkorn	University of Wisconsin, Madison	0824879	GOALI: Enabling Friction Stir Welding in Unstructured Environments Through Process Identification and Shared Control	Materials Processing and Manufacturing	Advanced Manufacturing	D
Junhong	Chen	University of Wisconsin, Milwaukee	0900509	Collaborative Research: Exploration of Graphene-Nanocrystal Metamaterials	Materials Processing and Manufacturing	Advanced Manufacturing	A

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Kathy	Lu	Virginia Polytechnic Institute and State University	0969888	Multi-Scale Study of Nanoparticle Sintering	Materials Processing and Manufacturing	Advanced Manufacturing	B
Michael	Gevelber	Boston University	0826106	Real-Time Control for Engineering Electrospun Nanofiber Diameter Distributions for Advanced Applications	NanoManufacturing	Advanced Manufacturing	C
Jack	Beuth	Carnegie Mellon University	0722981	MRI: Acquisition of an Environmental Scanning Electron Microscope for Visualization, Characterization and Manipulation of Nanoscale Systems	NanoManufacturing	Advanced Manufacturing	D
Liming	Dai	Case Western Reserve University	1000768	The Mechanistic Study on N-doped Carbon Nanomaterials as Highly Efficient Cathode for Fuel Cells	NanoManufacturing	Advanced Manufacturing	A
Sergiy	Minko	Clarkson University	0825832	Collaborative Research: Forests of Magnetic Nanofibers for Liquid Transport and Manipulation	NanoManufacturing	Advanced Manufacturing	B
Igor	Luzinov	Clemson University	0825773	Collaborative Research: Forests of Magnetic Nanofibers for Liquid Transport and Manipulation	NanoManufacturing	Advanced Manufacturing	C

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Christopher	Li	Drexel University	0900162	Multifunctional Hierarchical Structures Via Holographic Lithography and Block Copolymer Self Assembly	NanoManufacturing	Advanced Manufacturing	D
Jack	Zhou	Drexel University	0927963	GOALI/Collaborative Research: Functionalized Nanodiamond Reinforced Biopolymers for Microporous Surgical Fixation Devices	NanoManufacturing	Advanced Manufacturing	A
Arvind	Agarwal	Florida International University	0547178	CAREER: Near Net Shape Consolidation of Bulk Nanocomposites by Plasma Spray Forming	NanoManufacturing	Advanced Manufacturing	B
Samuel	Graham	Georgia Tech Research Corporation, Georgia Institute of Technology	0927736	High Throughput Process Screening and in-situ Characterization for Graphene Synthesis	NanoManufacturing	Advanced Manufacturing	C
Donggang	Yao	Georgia Tech Research Corporation, Georgia Institute of Technology	0927697	GOALI/Collaborative Research: Functionalized Nanodiamond Reinforced Biopolymers for Microporous Surgical Fixation Devices	NanoManufacturing	Advanced Manufacturing	D
Zhiquan	Lin	Iowa State University	0968656	Collaborative Research: Large-Scale Nanomanufacturing of Well-Positioned and Highly Aligned DNA Wires from a Capillary Bridge	NanoManufacturing	Advanced Manufacturing	A
Yuri	Lvov	Louisiana Tech University	1029147	Tubule Nanocontainers for Corrosion Inhibitors	NanoManufacturing	Advanced Manufacturing	B

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Thomas	Dow	North Carolina State University	1000055	GOALI: Nanocoining	NanoManufacturing	Advanced Manufacturing	C
Gregory	Parsons	North Carolina State University	1000382	Continuous Atmospheric Pressure Atomic Layer Deposition Process for Controlled Nanoscale Thin Film Coatings	NanoManufacturing	Advanced Manufacturing	D
Yung Joon	Jung	Northeastern University	0927088	Highly Organized Two and Three Dimensional Singlewalled Carbon Nanotubes- Polymer Hybrid Structures for Diverse Flexible Devices and Systems	NanoManufacturing	Advanced Manufacturing	A
Dean	Ho	Northwestern University	0846323	CAREER: Scalable Fabrication of Nanodiamond Patch Platforms for Sustained Drug Release	NanoManufacturing	Advanced Manufacturing	B
Cheng	Sun	Northwestern University	0955195	CAREER: A Hybrid Approach for Flexible Nanomanufacturing - Maskless Plasmonic Nano-Lithography	NanoManufacturing	Advanced Manufacturing	C
Craig	Arnold	Princeton University	0928803	Self-positioning Microspheres for Direct-write Nanolithography using Bessel Beam Optical Traps	NanoManufacturing	Advanced Manufacturing	D
Michael	McAlpine	Princeton University	1036055	EAGER: Piezoelectric Nanoribbon Assemblies Printed onto Rubber for Highly Efficient, Flexible Energy Harvesting	NanoManufacturing	Advanced Manufacturing	A

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Carol	Handwerker	Purdue University	0727960	GOALI: Nanoparticle-Enabled Printing of Large-Area Electronic Hierarchical Systems	NanoManufacturing	Advanced Manufacturing	B
H.-S. Philip	Wong	Stanford University	1029452	GOALI: Development of Block Copolymer Self-assembly for Next Generation Device Fabrication	NanoManufacturing	Advanced Manufacturing	C
Jaime	Grunlan	Texas Engineering Experiment Station	0644055	CAREER: Tailoring Nanoparticle Microstructure Using Stimuli-Responsive Polymers	NanoManufacturing	Advanced Manufacturing	D
Choongho	Yu	Texas Engineering Experiment Station	1030958	Building Selective Pathways for Electrons and Phonons in Nanocomposites	NanoManufacturing	Advanced Manufacturing	A
Wei	Li	The University of Texas at Austin	0728287	GOALI/Collaborative Research: Fabrication of Multifunctional Nanofoams from Polymer Nanocomposites	NanoManufacturing	Advanced Manufacturing	B
Kevin	Turner	University of Wisconsin, Madison	0825000	Collaborative Research: Nanoscale Interdisciplinary Team Research on Understanding and Overcoming Atomic-Level Wear in Tip-Based Nanomanufacturing	NanoManufacturing	Advanced Manufacturing	C

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Yuebin	Guo	University of Alabama, Tuscaloosa	0700468	Fabrication, Property and Function of the Nanostructured Surface Barrier for Hydrogen Storage	NanoManufacturing	Advanced Manufacturing	D
Pak Kin	Wong	University of Arizona	0855890	Evaporation Assisted Plasma Lithography for Biomimetic Proteins	NanoManufacturing	Advanced Manufacturing	A
Douglas	Spearot	University of Arkansas	1000912	Fundamental Understanding of Nanoparticle-Based Lubricants Tuned to Respond to Harsh Boundary Lubrication Conditions	NanoManufacturing	Advanced Manufacturing	B
Liwei	Lin	University of California, Berkeley	1031749	Direct Synthesis, Assembly and Integration of Graphene via Micro CVD	NanoManufacturing	Advanced Manufacturing	C
Roya	Maboudian	University of California, Berkeley	0825531	Graphene on Heteroepitaxial Silicon Carbide - Steps towards a Manufacturable Process	NanoManufacturing	Advanced Manufacturing	D
Samuel	Mao	University of California, Berkeley	1036076	EAGER: Toward Scalable Manufacturing of Nanostructured Organic Electronics	NanoManufacturing	Advanced Manufacturing	A
Junqiao	Wu	University of California, Berkeley	1000176	Off-Equilibrium Doping of Semiconductor Nanowires	NanoManufacturing	Advanced Manufacturing	B
Xiang	Zhang	University of California, Berkeley	0751621	NSEC: Center for Scalable and Integrated Nanomanufacturing (SINAM)	NanoManufacturing	Advanced Manufacturing	C



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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	A
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	B
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	C
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 Supercapacitors on CMOS	NanoManufacturing	Advanced Manufacturing	A

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

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J. Todd	Hastings	University of Kentucky	0800658	Tip Directed-Assembly of Nanoparticles via Surface-Plasmon Excitation	NanoManufacturing	Advanced Manufacturing	B
Teng	Li	University of Maryland, College Park	0928278	Collaborative Research: Deciphering the Reliability of Nano Ceramic Films on Polymer Substrates: A Mechanistic Study	NanoManufacturing	Advanced Manufacturing	C
Julie	Chen	University of Massachusetts, Lowell	0738253	Industrial Safety of Nanoheaters	NanoManufacturing	Advanced Manufacturing	D
L. Jay	Guo	University of Michigan	1000425	Nanomanufacturing Process and Applications Based on Dynamic Nano-Inscribing	NanoManufacturing	Advanced Manufacturing	A
A. John	Hart	University of Michigan	0800213	Limiting Growth Mechanisms and Continuous Manufacturing of Aligned Carbon Nanotube Films	NanoManufacturing	Advanced Manufacturing	B
A. John	Hart	University of Michigan	0927634	Fabrication of Freeform Hierarchical Micro/Nanostructures by Control of Capillary Interactions with Aligned Carbon Nanotubes	NanoManufacturing	Advanced Manufacturing	C
Heiko	Jacobs	University of Minnesota, Twin Cities	0621137	GOALI: Nanowire Integration Process to Gain Control over Location, Dimension, and Orientation	NanoManufacturing	Advanced Manufacturing	D
Heiko	Jacobs	University of Minnesota, Twin Cities	0755995	Gas Phase Nanoxerographic Nanomaterial Integration	NanoManufacturing	Advanced Manufacturing	A

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Hao	Li	University of Missouri, Columbia	0846744	CAREER: Fabrication of Surface Modified Hydroxyapatite Nanofibers and their Composites	NanoManufacturing	Advanced Manufacturing	B
Ravi	Saraf	University of Nebraska, Lincoln	0926381	Regulating Current Through a Nanoparticle Necklace by Microorganism: A Transformative Technology for Biofuel Cells and Biosensors	NanoManufacturing	Advanced Manufacturing	C
Terry	Xu	University of North Carolina, Charlotte	0748090	CAREER: Boron-based One-dimensional Nanostructures of Thermoelectric Energy Conversion	NanoManufacturing	Advanced Manufacturing	D
Yuankun	Lin	University of North Texas	0609345	NIRT: 3D Hierarchical Nanomanufacturing for Active Photonics-on-chip	NanoManufacturing	Advanced Manufacturing	A
Peng	Chen	University of Pittsburgh	0826289	Nuclear Nano-Engineering	NanoManufacturing	Advanced Manufacturing	B
Qing-Ming	Wang	University of Pittsburgh	0653764	Field-Assisted Manufacturing of Multifunctional ZnO Nanowire-Polymer Nanocomposites	NanoManufacturing	Advanced Manufacturing	C
Xiaodong	Li	University of South Carolina Research Foundation	0653651	Synthesis of Necklace-Shaped Boron and Boride Nanowires for Polymer Nanocomposite Applications	NanoManufacturing	Advanced Manufacturing	D
Noah	Malmstadt	University of Southern California	0926969	Engineered Microfluidic Mixing for Green Nanocrystal Manufacturing	NanoManufacturing	Advanced Manufacturing	A

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

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Dongsheng	Ma	University of Texas, Dallas	0925678	Collaborative Research: Heterogeneous Integration of Patterned 3-D Nanotube Supercapacitors on CMOS	NanoManufacturing	Advanced Manufacturing	D
Giovanni	Zangari	University of Virginia	1030858	Fundamental Studies of Electrowetting on Tailored Surfaces with Application to High Performance Capillary Force Actuators	NanoManufacturing	Advanced Manufacturing	A
Guozhong	Cao	University of Washington	1030048	Solution-Based Fabrication of Coherent Nanocomposite Film Electrodes for Li-Ion Batteries	NanoManufacturing	Advanced Manufacturing	B
Xudong	Wang	University of Wisconsin, Madison	0926245	Self-Controlled Surface-Selective Atomic Layer Deposition for Integrated Vertical Nanowire Field Effect Transistors	NanoManufacturing	Advanced Manufacturing	C
Michael	Zach	University of Wisconsin, Stevens Point	0954656	CAREER: Electroplate and Lift Lithography: Easily Making Patterned Nanowires Using Non-Sacrificial Templates	NanoManufacturing	Advanced Manufacturing	D
Hooman	Vahedi Tafreshi	Virginia Commonwealth University	1029924	Bimodal Nanofiber Mats with Controlled Microstructures for Size-Sensitive Nanoparticle Filtration/Separation and Superhydrophobic Drag Reduction	NanoManufacturing	Advanced Manufacturing	A

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Kathy	Lu	Virginia Polytechnic Institute and State University	0824741	Template-Assisted Nanoparticle Processing	NanoManufacturing	Advanced Manufacturing	B
Weihong (Katie)	Zhong	Washington State University	0758251	GOALI/Collaborative Research: Fabrication of Ultra-light Multifunctional Nanofoams from Polymer Nanocomposites	NanoManufacturing	Advanced Manufacturing	C
Jun	Lou	William Marsh Rice University	0928297	Collaborative Research: Deciphering the Reliability of Nano Ceramic Films on Polymer Substrates: A Mechanistic Study	NanoManufacturing	Advanced Manufacturing	D
Mark	Robbins	Johns Hopkins University	0709187	NIRT: Interfacial Forces in Active Nanodevices	Nanoscale Interdisciplinary Research Team	Advanced Manufacturing	A
Anand	Jagota	Lehigh University	0609050	NIRT- GOALI: Solution-Based Dispersion, Sorting, and Placement of Carbon Nanotubes	Nanoscale Interdisciplinary Research Team	Advanced Manufacturing	B
Xianfan	Xu	Purdue University	0707817	NIRT/GOALI: Development of a Multiscale Hierarchical Nanomanufacturing Tool	Nanoscale Interdisciplinary Research Team	Advanced Manufacturing	C
Kimberly	Turner	University of California, Santa Barbara	0708367	NIRT: Reversible Frictional Adhesion of Natural and Bio-Inspired Multi-Scale Structures	Nanoscale Interdisciplinary Research Team	Advanced Manufacturing	D
Pradeep	Sharma	University of Houston	0708096	NIRT: Active Electromechanical Nanostructures Without the Use of Piezoelectric Constituents	Nanoscale Interdisciplinary Research Team	Advanced Manufacturing	A

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



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

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

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Aurelian	Trandafir	University of Utah	0926042	Cyclic Stress-Strain Characteristics of EPS GeoFoam	Geomechanics and Geomaterials	Mechanics and Engineering Materials	B
Herbert	Wang	University of Wisconsin, Madison	0900351	Collaborative Research: Fiber-Optic Strain Monitoring of Rock Masses in Large Underground Facilities	Geomechanics and Geomaterials	Mechanics and Engineering Materials	C
Joseph	Dove	Virginia Polytechnic Institute and State University	0726488	Applying Insights from Biosilicification Processes to Ground Treatment: A Bio-Inspired Approach for Geoengineering	Geomechanics and Geomaterials	Mechanics and Engineering Materials	D
Balasingam	Muhunthan	Washington State University	0856793	Collaborative Research: Imaging and Modeling the Microstructure of Unsaturated Soils for Improved Prediction of Macroscale Response	Geomechanics and Geomaterials	Mechanics and Engineering Materials	A
Harold	Park	Boston University	0750395	CAREER: Multiscale Design of the Coupled Optomechanical Properties of Silicon Nanowires	Materials and Surface Engineering	Mechanics and Engineering Materials	B
Xin	Zhang	Boston University	0700688	Mechanical Behavior of Amorphous Plasma-Enhanced Chemical Vapor Deposited Silicon Oxide Films for MEMS Applications	Materials and Surface Engineering	Mechanics and Engineering Materials	C
David	Fullwood	Brigham Young University	0928923	GOALI: Defect Detection Microscopy: Microstructure Design for Formability of Wrought Magnesium Alloys	Materials and Surface Engineering	Mechanics and Engineering Materials	D

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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	Materials and Surface Engineering	Mechanics and Engineering Materials	B
Vivek	Shenoy	Brown University	0926178	Collaborative Research: Engineering the Morphology and Microstructure of Group III-V Compound Semiconducting Nanowires	Materials and Surface Engineering	Mechanics and Engineering Materials	C
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	B
Nicholas	Zabaras	Cornell University	0757824	On the Design of Polycrystalline Materials with an Integration of Multiscale Modeling and Statistical Learning	Materials and Surface Engineering	Mechanics and Engineering Materials	C

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

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Joelle	Frechette	Johns Hopkins University	0748094	CAREER: Engineering Surface Interactions to Modulate a Confined Fluid	Materials and Surface Engineering	Mechanics and Engineering Materials	D
Erin	Flater	Luther College	0758323	RUI/Collaborative Research: The Molecular Origins of Friction - A Study Across Velocity Regimes of Phosphonate Monolayers on Alternative MEMS-Type Surfaces	Materials and Surface Engineering	Mechanics and Engineering Materials	A
Reza	Shahbazian-Yassar	Michigan Technological University	0926819	A New Perspective on Energy Harvesting Nanowires: The Role of Chemistry and Structure of Nanowires	Materials and Surface Engineering	Mechanics and Engineering Materials	B
Sheldon	Shi	Mississippi State University	0928641	Impregnated Inorganic Nanoparticles at the Natural Fiber-Thermoplastic Polymer Interface	Materials and Surface Engineering	Mechanics and Engineering Materials	C
Yu	Zhang	New York University	0758530	Fatigue Behavior of Functionally Graded Ceramics+ Synthesis, Experiments, and Analysis	Materials and Surface Engineering	Mechanics and Engineering Materials	D
Rebecca	Carrier	Northeastern University	0727984	Chemical Vapor Deposition Fabrication of Nano- and Micro-scale Biomimetic Surfaces	Materials and Surface Engineering	Mechanics and Engineering Materials	A
Kenneth	Shull	Northwestern University	0900586	Crack Propagation in Self-Healing Polymer Gels with High Toughness	Materials and Surface Engineering	Mechanics and Engineering Materials	B

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Dennis	Bong	Ohio State University Research Foundation	0927778	Selective Aqueous-phase Adhesion by Molecularly Engineered Materials	Materials and Surface Engineering	Mechanics and Engineering Materials	C
Somnath	Ghosh	Ohio State University Research Foundation	0800587	Integrated Experimental-Computational Modeling of Deformation and Fatigue in Advanced Structural Materials	Materials and Surface Engineering	Mechanics and Engineering Materials	D
Nikhil	Gupta	Polytechnic University of New York	0726723	Development of a Novel Functionally Gradient Composite Material	Materials and Surface Engineering	Mechanics and Engineering Materials	A
R. Edwin	Garcia	Purdue University	0856491	Collaborative Research: Mechanical and Electrical Reliability Maximization of Rechargeable Lithium-Ion Batteries through Microstructure Design	Materials and Surface Engineering	Mechanics and Engineering Materials	B
Marisol	Koslowski	Purdue University	0825994	Microstructural Evolution of Molecular Crystals	Materials and Surface Engineering	Mechanics and Engineering Materials	C
Ashlie	Martini	Purdue University	0758604	Collaborative Research: Dissipation in Atomic-Scale Friction - A Coordinated Experimental and Modeling Study	Materials and Surface Engineering	Mechanics and Engineering Materials	D
Rodney	Trice	Purdue University	0726304	Design and Manufacture of Ultra-High Temperature Ceramics with Oriented Strengthening and Toughening Phases	Materials and Surface Engineering	Mechanics and Engineering Materials	A
Daniel	Gall	Rensselaer Polytechnic Institute	0653843	Self-Lubricating Nanoporous Hard Coatings	Materials and Surface Engineering	Mechanics and Engineering Materials	B

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Nikhil	Koratkar	Rensselaer Polytechnic Institute	0653589	Fundamental Study of Photo Thermo-Mechanical Actuation in Carbon Nanotubes and their Composites	Materials and Surface Engineering	Mechanics and Engineering Materials	C
Yunfeng	Shi	Rensselaer Polytechnic Institute	1031408	Quantitative Understanding of Atomic Wear Using Accelerated Molecular Simulation	Materials and Surface Engineering	Mechanics and Engineering Materials	D
Guangwen	Zhou	State University of New York, Binghamton	0825737	Probing Nanoscale Oxidation Mechanism of Metals under Applied Stress	Materials and Surface Engineering	Mechanics and Engineering Materials	A
Tadanori	Koga	State University of New York, Stony Brook	0846267	CAREER: Exploiting the Density Fluctuating Regime in Supercritical Fluids for Environmentally Green Polymer Surface Processing	Materials and Surface Engineering	Mechanics and Engineering Materials	B
Yan-Yeung	Luk	Syracuse University	0845686	CAREER: Engineering Materials with Biological Activity and Structural Hierarchy	Materials and Surface Engineering	Mechanics and Engineering Materials	C
Dacheng	Ren	Syracuse University	0826288	Collaborative Research: Investigating Bacteria-Surface Interactions by Surface Engineering and Mathematical Modeling	Materials and Surface Engineering	Mechanics and Engineering Materials	D
Raymundo	Arroyave	Texas Engineering Experiment Station	0953984	CAREER: Ab Initio Calculations for Design of High Temperature Materials	Materials and Surface Engineering	Mechanics and Engineering Materials	A



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

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Suneel	Kodambaka	University of California, Los Angeles	0926412	Collaborative Research: Engineering the Morphology and Microstructure of Group III-V Compound Semiconducting Nanowires	Materials and Surface Engineering	Mechanics and Engineering Materials	A
Yifu	Ding	University of Colorado, Boulder	1031785	Instabilities in Patterned Polymer Surfaces	Materials and Surface Engineering	Mechanics and Engineering Materials	B
Hanchen	Huang	University of Connecticut	0856426	A New Characteristic Length Scale on Surfaces	Materials and Surface Engineering	Mechanics and Engineering Materials	C
Youping	Chen	University of Florida	0824688	Towards Multiscale Mechanical Design of Hierarchical Cellular Materials	Materials and Surface Engineering	Mechanics and Engineering Materials	D
Hitomi	Yamaguchi Greenslet	University of Florida	0855381	Surface Functionalization by Magnetic Field Assisted Finishing	Materials and Surface Engineering	Mechanics and Engineering Materials	A
Pradeep	Sharma	University of Houston	0969086	The Origins of the Dead-Layer in High Energy Storage Density Nanocapacitors	Materials and Surface Engineering	Mechanics and Engineering Materials	B
Ioannis	Chasiotis	University of Illinois, Urbana-Champaign	0748120	CAREER: Nanoscale Confinement in Polymers: Integrated Research and Education in Nanoscale Experimental Mechanics	Materials and Surface Engineering	Mechanics and Engineering Materials	C
Harley	Johnson	University of Illinois, Urbana-Champaign	0825173	Bridging Time Scales with a Unit Process Approach for Modeling Ion Interactions with Materials	Materials and Surface Engineering	Mechanics and Engineering Materials	D

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Nancy	Sottos	University of Illinois, Urbana-Champaign	0726742	GOALI: Dynamic Adhesive Failure of Patterned Thin Films	Materials and Surface Engineering	Mechanics and Engineering Materials	A
Dallas	Trinkle	University of Illinois, Urbana-Champaign	0846624	CAREER: First-Principles Modeling of Titanium-Oxygen-Solute Intreaction: Materials Design for Improved Energy Efficiency	Materials and Surface Engineering	Mechanics and Engineering Materials	B
Haluk	Karaca	University of Kentucky	0954541	CAREER: Engineering Meta-magnetic Shape Memory Alloys as the Future Generation of High Performance Magnetic Actuators	Materials and Surface Engineering	Mechanics and Engineering Materials	C
Thomas	Balk	University of Kentucky Research Foundation	0928845	GOALI: Understanding the Microstructural Evolution and High-Temperature Behavior of Osmium-Ruthenium Coatings for Dispenser Cathodes	Materials and Surface Engineering	Mechanics and Engineering Materials	D
Yang-Tse	Cheng	University of Kentucky Research Foundation	1000726	GOALI: Understanding and Controlling Coupled Mechanical and Chemical Degradation Phenomena within Insertion Electrodes	Materials and Surface Engineering	Mechanics and Engineering Materials	A
Santiago	Solares	University of Maryland, College Park	0854735	Influence of thin-fluid-film effects on surface characterization with dynamic atomic force microscopy	Materials and Surface Engineering	Mechanics and Engineering Materials	B
Marina	Ruths	University of Massachusetts, Lowell	0645065	CAREER: Adhesion and Friction in Multi-Asperity Contacts	Materials and Surface Engineering	Mechanics and Engineering Materials	C

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

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

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Hanqing	Jiang	Arizona State University	0844737	CAREER: Investigation of Mechanical Properties of Carbon Nanotube Macro-Films in Integrated Systems	Mechanics of Materials	Mechanics and Engineering Materials	A
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 Materials	B
Vivek	Shenoy	Brown University	0855853	Mechanics of Strain-Driven Nanopatterning in Alloy Systems	Mechanics of Materials	Mechanics and Engineering Materials	C
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
Maarten	de Boer	Carnegie Mellon University	1030322	Collaborative Research: Stick-slip Dynamics of Micromachined Interfaces	Mechanics of Materials	Mechanics and Engineering Materials	A
Warren	Garrison	Carnegie Mellon University	0726949	AHSS: A Study of the Effects of Microstructure on the Mechanical Properties and Failure Mechanisms of Advanced High Strength Steels	Mechanics of Materials	Mechanics and Engineering Materials	B
Philip	LeDuc	Carnegie Mellon University	0856187	A Mechanically Based Polymer Microfiber Approach to Probe Mechanotransduction in Calcium Response of Stem Cells	Mechanics of Materials	Mechanics and Engineering Materials	C

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Xi	Chen	Columbia University	0643726	CAREER: The Science Underpinning Mechanical Self-Assembly	Mechanics of Materials	Mechanics and Engineering Materials	D
Mircea	Grigoriu	Cornell University	0969150	Effective Properties of Multi-phase Materials by Stochastic Reduced Order Models (SROMs)	Mechanics of Materials	Mechanics and Engineering Materials	A
Matthew	Miller	Cornell University	0928257	GOALI/Collaborative Research: Understanding Cracking and Defect Formation During AIN Crystal Growth	Mechanics of Materials	Mechanics and Engineering Materials	B
Alan	Zehnder	Cornell University	0856488	The Effect of Surfaces on the Strength of Nanoscale Silicon Structures	Mechanics of Materials	Mechanics and Engineering Materials	C
David	McDowell	Georgia Tech Research Corporation, Georgia Institute of Technology	0758265	Multiresolution, Coarse-Grained Modeling of 3D Dislocation Nucleation and Migration	Mechanics of Materials	Mechanics and Engineering Materials	D
David	McDowell	Georgia Tech Research Corporation, Georgia Institute of Technology	1030103	Methods for Atomistic Input into Initial Yield and Plastic Flow Criteria for Nanocrystalline Materials	Mechanics of Materials	Mechanics and Engineering Materials	A
Suresh	Sitaraman	Georgia Tech Research Corporation, Georgia Institute of Technology	0800037	Non-Contact Experimental Technique to Characterize Interfacial Crack Propagation in Nano-Scale and Micro-Scale Thin Films	Mechanics of Materials	Mechanics and Engineering Materials	B
Zhigang	Suo	Harvard University	0800161	Large Deformation and Instability in Soft Active Materials	Mechanics of Materials	Mechanics and Engineering Materials	C

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



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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	B
Antoinette	Maniatty	Rensselaer Polytechnic Institute	0928556	GOALI/Collaborative Research: Understanding Cracking and Defect Formation During AlN Crystal Growth	Mechanics of Materials	Mechanics and Engineering Materials	C
Paris	vonLockette	Rowan University	0927326	RUI: Magneto-Mechanical Coupling in Isotropic vs. Anisotropic, Hard- vs. Soft-Magnetic Magnetorheological Elastomers	Mechanics of Materials	Mechanics and Engineering Materials	D
Andrew	Norris	Rutgers University, New Brunswick	0928499	Cloaking Mechanical Waves	Mechanics of Materials	Mechanics and Engineering Materials	A
Assimina	Pelegri	Rutgers University, New Brunswick	0728049	GOALI: Random Fiber Structures: Material Characterization and Adaptive Damage Response	Mechanics of Materials	Mechanics and Engineering Materials	B

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

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Nina	Orlovskaya	University of Central Florida	0968911	Time Dependent Creep Deformation of Non Polar Mixed Conducting Ferroelastic Perovskites	Mechanics of Materials	Mechanics and Engineering Materials	B
Anette	Karlsson	University of Delaware	0824827	The Mechanics of Debonding of Foam Core Sandwich Structure Under Cyclic Loading	Mechanics of Materials	Mechanics and Engineering Materials	C
Pradeep	Sharma	University of Houston	0826153	Size-Dependent Super-Piezoelectricity in Nanostructures	Mechanics of Materials	Mechanics and Engineering Materials	D
Eduard	Karpov	University of Illinois, Chicago	0900498	Concurrent Multiphysics Modeling of Bio-Inspired Functional Materials	Mechanics of Materials	Mechanics and Engineering Materials	A
Ioannis	Chasiotis	University of Illinois, Urbana-Champaign	0927149	Experiments and Models on Room Temperature Creep of Nanocrystalline Metallic Films	Mechanics of Materials	Mechanics and Engineering Materials	B
Iwona	Jasiuk	University of Illinois, Urbana-Champaign	0927909	Image-Based Characterization and Multi-Scale Modeling of Bone	Mechanics of Materials	Mechanics and Engineering Materials	C
Arif	Masud	University of Illinois, Urbana-Champaign	0800208	A Computational/Experimental Multiscale Approach to the Analysis of Structures Containing Mechanical Joints	Mechanics of Materials	Mechanics and Engineering Materials	D
Dallas	Trinkle	University of Illinois, Urbana-Champaign	0825961	GOALI: Modeling Solute Effects in Magnesium Alloys: First-principles to Predictive Finite-Element	Mechanics of Materials	Mechanics and Engineering Materials	A
Teng	Li	University of Maryland, College Park	0856540	GOALI: Mechanics of Permeation Barriers in Flexible Electronics	Mechanics of Materials	Mechanics and Engineering Materials	B

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Vijaya	Chalivendra	University of Massachusetts, Dartmouth	0856463	Collaborative Research: Mechanical and Electrical Response of Novel Polymer Grafted CNT Reinforced Copolymers under Quasi-static and Dynamic Loading	Mechanics of Materials	Mechanics and Engineering Materials	C
Samantha	Daly	University of Michigan	0927530	Experimental Investigation of Microstructural Effects on Deformation and Fracture Mechanisms in Nanostructured Metallic Materials	Mechanics of Materials	Mechanics and Engineering Materials	D
Vikram	Gavini	University of Michigan	0927478	Electronic Structure Studies on Prismatic Dislocation Loops	Mechanics of Materials	Mechanics and Engineering Materials	A
Veera	Sundararaghavan	University of Michigan	0954390	CAREER: Computational Approaches for Multi-scale Design of Magnetostrictive Alloys	Mechanics of Materials	Mechanics and Engineering Materials	B
Brad	Kinsey	University of New Hampshire	0821517	MRI: Acquisition of a Digital Imaging Correlation System to Advance Research, Training and Education in Engineering	Mechanics of Materials	Mechanics and Engineering Materials	C
Pedro	Ponte Castaneda	University of Pennsylvania	0654063	Finite-Strain, Constitutive Models for Semi-Crystalline Polymers	Mechanics of Materials	Mechanics and Engineering Materials	D
Pedro	Ponte Castaneda	University of Pennsylvania	0969570	Fiber-Reinforced Polymeric Material Systems: A Multi-Scale, Elasto-Viscoplastic Homogenization Approach	Mechanics of Materials	Mechanics and Engineering Materials	A

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

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Krishnaswamy	Ravi-Chandar	University of Texas, Austin	0900293	Collaborative Research: Fundamental Experimental and Theoretical Investigation of Finite Strain and High Strain-Rate Electromagnetic Loading Processes in Metals	Mechanics of Materials	Mechanics and Engineering Materials	D
Paul	Voyles	University of Wisconsin, Madison	0824719	Nanoscale Mechanics of Bulk Amorphous Metals	Mechanics of Materials	Mechanics and Engineering Materials	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	B
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	C
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

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

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Vivek	Shenoy	Brown University	0825185	Mechanics of Intracellular Pathogens and Biomimetic Systems Propelled by Actin Comet Tails	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Jay	Tang	Brown University	0825873	Biomechanics of Actin Networks Regulated by Physical Mechanisms	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
Rob	Phillips	California Institute of Technology	0758343	The Mechanics of Genome Ejection in Bacterial Viruses	Nano and Bio Mechanics	Mechanics and Engineering Materials	C
Jack	Beuth	Carnegie Mellon University	1030682	Nanomechanical Material Size Effects Using an In-Situ, On-Chip Test Platform	Nano and Bio Mechanics	Mechanics and Engineering Materials	D
Jack	Beuth	Carnegie Mellon University	1030682	Nanomechanical Material Size Effects Using an In-Situ, On-Chip Test Platform	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Philip	LeDuc	Carnegie Mellon University	1013748	EAGER: Transitioning to Millifluidics: 2D Microfluidic Controls for 3D Profile Manipulation	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
Metin	Sitti	Carnegie Mellon University	0800408	Nanomechanics of Biologically Inspired Repeatable and Hierarchical Elastomer Fibrillar Adhesives	Nano and Bio Mechanics	Mechanics and Engineering Materials	C
Melissa	Knothe Tate	Case Western Reserve University	0826435	Mechanical Modulation of Stem Cell Shape and Fate	Nano and Bio Mechanics	Mechanics and Engineering Materials	D
Gang	Li	Clemson University	0800474	Multiscale Computational Analysis of Nanoelectromechanical Systems (NEMS)	Nano and Bio Mechanics	Mechanics and Engineering Materials	A



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Henry	Hess	Columbia University	0926790	Accelerated Degradation of Active Nanosystems by Biomolecular Motors	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
Jeffrey	Kysar	Columbia University	0927891	Monoatomically Thin Films: Nonlinear Mechanical Response and Mechanical-Electrical Coupling	Nano and Bio Mechanics	Mechanics and Engineering Materials	C
Olivier	Pierron	Georgia Tech Research Corporation, Georgia Institute of Technology	0825435	Fabrication and Thermomechanical Characterization of NiTi Shape Memory Alloy Nanowires	Nano and Bio Mechanics	Mechanics and Engineering Materials	D
Ting	Zhu	Georgia Tech Research Corporation, Georgia Institute of Technology	0653769	Nanomechanics of Tough Nanostructured Metals	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Ting	Zhu	Georgia Tech Research Corporation, Georgia Institute of Technology	0758554	Chemo-Mechanics of Fracture in Small-Volume Materials	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
Kellar	Autumn	Lewis and Clark College	0900723	Collaborative Research: Electrically Controlled Nanofibrillar Surfaces for Cleaning and Adhesion	Nano and Bio Mechanics	Mechanics and Engineering Materials	C
Erik	Hobbie	North Dakota State University, Fargo	0969155	Nanoscale Structural Rearrangement and Strain Softening in Ultra-Pure Nanotube Membranes	Nano and Bio Mechanics	Mechanics and Engineering Materials	D

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Annie X.	Tangpong	North Dakota State University, Fargo	0900181	Collaborative Research: Tribologically Durable UHMWPE Nanocomposites for Total Joint Replacements: Nano-mechanics and Bio-tribological Modeling	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Kai-tak	Wan	Northeastern University	0757140	CAREER: Interfacing and Integrating Life-Sciences and Solid-Mechanics	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
Wing	Liu	Northwestern University	0856333	Modeling of Endothelial Cell Adhesion Dynamics Modulated by Experimental Molecular Engineering	Nano and Bio Mechanics	Mechanics and Engineering Materials	C
Wing	Liu	Northwestern University	0856333	Modeling of Endothelial Cell Adhesion Dynamics Modulated by Experimental Molecular Engineering	Nano and Bio Mechanics	Mechanics and Engineering Materials	D
Christopher	Muhlstein	Pennsylvania State University, University Park	0927163	Synthesis and Nanomechanical Properties of Crystalline Boron-based Nanofilaments	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Srinivasan	Chandrasekar	Purdue University	0626047	Collaborative Research: Nanostructured Alloys With Unprecedented Properties	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
Nikhil	Koratkar	Rensselaer Polytechnic Institute	0900188	Collaborative: Brittle Epoxies Rendered Ductile-Crazing in Thermosetting Epoxy Nanocomposites	Nano and Bio Mechanics	Mechanics and Engineering Materials	C

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Nikhil	Koratkar	Rensselaer Polytechnic Institute	0969895	Next Generation Li-Ion Rechargeable Batteries Featuring Nano-Engineered Anode Architectures	Nano and Bio Mechanics	Mechanics and Engineering Materials	D
Shiva	Kotha	Rensselaer Polytechnic Institute	0846869	CAREER: Hierarchies of Repair in Damaged Bone - A Role for Osteocytes	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Assimina	Pelegri	Rutgers University, New Brunswick	1000450	Multi-Scale Modeling of Central Nervous System White Matter	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
James	Batteas	Texas AandM Research Foundation	0825977	Probing the Role of Surface Defects and Disorder on the Tribology of Nanoscopic Contacts	Nano and Bio Mechanics	Mechanics and Engineering Materials	C
Rajesh	Khare	Texas Tech University	0900512	Collaborative: Brittle Epoxies Rendered Ductile - Crazeing in Thermosetting Epoxy Nanocomposites	Nano and Bio Mechanics	Mechanics and Engineering Materials	D
Keith	Gooch	The Ohio State University	0928739	Biomechanical Regulation of Cellular Signaling and Organization	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Robert	Peattie	Tufts University	1031366	A Combined Experimental-Computational Method to Evaluate Abdominal Aortic Aneurysm Wall Stress	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
Xiaoyi	Wu	University of Arizona	0700323	The Mechanics of Silk-Elastin-Like Proteins	Nano and Bio Mechanics	Mechanics and Engineering Materials	C
Ronald	Fearing	University of California, Berkeley	0856789	Collaborative Research: Electrically Controlled Nanofibrillar Surfaces for Cleaning and Adhesion	Nano and Bio Mechanics	Mechanics and Engineering Materials	D

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Shaofan	Li	University of California, Berkeley	0800744	Multiscale Simulation of Soft Contact and Cell Adhesion	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Albert	Yee	University of California, Irvine	0728352	Mechanical Properties and Their Time-Temperature Dependence in Fabricated Polymeric Nanostructures	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
William	Klug	University of California, Los Angeles	0748034	CAREER: Membrane-Protein Interactions and the Mechanics of Cell Organelles	Nano and Bio Mechanics	Mechanics and Engineering Materials	C
Alexander	Levine	University of California, Los Angeles	0800533	Micro- and Nano-Mechanics of Active Biopolymer Networks	Nano and Bio Mechanics	Mechanics and Engineering Materials	D
Henry	Yang	University of California, Santa Barbara	0626541	Collaborative Research: Nanostructured Alloys With Unprecedented Properties	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Quanfang	Chen	University of Central Florida	0700666	Reinforcing Mechanisms of Carbon Nanotube Metallic Nanocomposites	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
Joseph	Bunch	University of Colorado, Boulder	0900832	Graphene Nanomechanics: The Role of Van der Waals Forces	Nano and Bio Mechanics	Mechanics and Engineering Materials	C
Hang (Jerry)	Qi	University of Colorado, Boulder	0645219	CAREER: Integrative Research and Education on Multiphysical Behaviors of Soft Functional Materials	Nano and Bio Mechanics	Mechanics and Engineering Materials	D
Hang (Jerry)	Qi	University of Colorado, Boulder	0645219	CAREER: Integrative Research and Education on Multiphysical Behaviors of Soft Functional Materials	Nano and Bio Mechanics	Mechanics and Engineering Materials	A

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

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

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Yaowu	Hao	University of Texas, Arlington	1000831	Collaborative Research: Hierarchically Structured Polycrystalline Hollow Gold Nanoparticles - a Model System for Integrated Experimental and Multiscale Computational Nanomechanics	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
Xiaodu	Wang	University of Texas, San Antonio	0900753	Nanomechanics Based Determination of In-Situ Toughness of Bone	Nano and Bio Mechanics	Mechanics and Engineering Materials	C
Marek-Jerzy	Pindera	University of Virginia	1030673	Microstructural Effects in Tailoring the Response of Engineered Bio-Materials	Nano and Bio Mechanics	Mechanics and Engineering Materials	D
Nathan	Sniadecki	University of Washington	0846780	CAREER: Mechanics of Vascular Smooth Muscle Cell Contraction - Subcellular Structure-Function Relationships	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Weihong (Katie)	Zhong	Washington State University	0856510	Collaborative Research: Tribologically Durable UHMWPE Nanocomposites for Total Joint Replacements: Nano-mechanics and Bio-tribological Modeling	Nano and Bio Mechanics	Mechanics and Engineering Materials	B
Weihong (Katie)	Zhong	Washington State University	0856510	Collaborative Research: Tribologically Durable UHMWPE Nanocomposites for Total Joint Replacements: Nano-mechanics and Bio-tribological Modeling	Nano and Bio Mechanics	Mechanics and Engineering Materials	C

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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	B
Xinyu	Zhang	Auburn University	01000491	Collaborative Research: Geopolymeric Nanocomposite, A Next Generation Material For Infrastructure Sustainability	Structural Materials and Mechanics	Mechanics and Engineering Materials	C
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	B



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Sabrina	Spatari	Drexel University	01030783	Enhancing the Life Cycle of Plastic Pipes Through Nano-reinforcement	Structural Materials and Mechanics	Mechanics and Engineering Materials	C
Nathaniel	Hager	Elizabethtown College	0700699	Monitoring of Hydration in Cement Systems by Broadband Time-Domain-Reflectometry Dielectric Spectroscopy	Structural Materials and Mechanics	Mechanics and Engineering Materials	D
Kimberly	Kurtis	Georgia Tech Research Corporation, Georgia Institute of Technology	0825373	Understanding the Structure and Durability of Nano-Anatase TiO <sub>2</sub> Cement-Based Materials	Structural Materials and Mechanics	Mechanics and Engineering Materials	A
Kejin	Wang	Iowa State University	0927660	Understanding Rheology of Cement-based Materials through Intergrated Experiments and Computations at Multiple Scales	Structural Materials and Mechanics	Mechanics and Engineering Materials	B
Nabil	Grace	Lawrence Technology University	0969676	GOALI/RUI: Development of Innovative New Highway Bridge System	Structural Materials and Mechanics	Mechanics and Engineering Materials	C
Nabil	Grace	Lawrence Technology University	1035531	US-Israel Workshop on Sustainable Buildings: Materials and Energy	Structural Materials and Mechanics	Mechanics and Engineering Materials	D
Marwa	Hassan	Louisiana State University and AandM College	1032288	EAGER: A Breakthrough Concept in the Preparation of Highly-Sustainable Asphalt Mixtures	Structural Materials and Mechanics	Mechanics and Engineering Materials	A
Guoqiang	Li	Louisiana State University and AandM College	0946740	EAGER: SMA Z-Pinned SMP Cored Sandwich Structure for Self-Healing Impact Damage	Structural Materials and Mechanics	Mechanics and Engineering Materials	B

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

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

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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
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	B
Anastasia	Muliana	Texas Engineering Experiment Station	0546528	CAREER: Time-Dependent Multi-Scale Frameworks for Mechano-Thermo-Hydro-Visco and Damage Behaviors of Composite Materials and Structures	Structural Materials and Mechanics	Mechanics and Engineering Materials	C
Nasim	Uddin	University of Alabama, Birmingham	0825938	Composite Structural Insulated Panels (CSIPs) for Hazard Resistant Structures	Structural Materials and Mechanics	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	B

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Lizhi	Sun	University of California, Irvine	0800417	Magnetic-Field-Dependent Dynamic Mechanical Behavior of Carbon Nanotube Reinforced Magnetostrictive Nanocomposites: An Integrated Experimental and Modeling Study	Structural Materials and Mechanics	Mechanics and Engineering Materials	C
Elliot	Douglas	University of Florida	0653969	Role of Chemical Bonding on Durability of Epoxy Adhesion to Mortar	Structural Materials and Mechanics	Mechanics and Engineering Materials	D
Craig	Foster	University of Illinois, Chicago	1030398	Numerical and Experimental Analysis of Earth-Based Structural Materials	Structural Materials and Mechanics	Mechanics and Engineering Materials	A
Jeffery	Roesler	University of Illinois, Urbana-Champaign	0800805	Functionally Graded Concrete for The Civil Infrastructure - A Multifunctional Material System Approach	Structural Materials and Mechanics	Mechanics and Engineering Materials	B
Peggi	Clouston	University of Massachusetts, Amherst	0826265	Modeling the Design Limit States of Structural Composite Lumber	Structural Materials and Mechanics	Mechanics and Engineering Materials	C
Sanjay	Arwade	University of Massachusetts, Amherst	1000334	Collaborative Research: Reconfiguring Steel Structures: Energy Dissipation and Buckling Mitigation Through the Use of Steel Foams	Structural Materials and Mechanics	Mechanics and Engineering Materials	D
Alan	Argento	University of Michigan	1000307	GOALI: Dynamic Response of Rigid, Foamed Biocomposites	Structural Materials and Mechanics	Mechanics and Engineering Materials	A
Xun	Yu	University of Minnesota, Duluth	0856477	RUI: Self-sensing Concrete Pavement	Structural Materials and Mechanics	Mechanics and Engineering Materials	B

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Yong-Rak	Kim	University of Nebraska, Lincoln	0644618	CAREER: Research and Education on Advanced Multiscale Modeling-Analysis of Roadway Materials, Mixtures, and Infrastructure Systems	Structural Materials and Mechanics	Mechanics and Engineering Materials	C
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	B
Maria	Juenger	University of Texas, Austin	0926627	Inorganic Polymers for Sustainable Civil Infrastructure	Structural Materials and Mechanics	Mechanics and Engineering Materials	C
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

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Marwan	Al-Haik	Virginia Polytechnic Institute and State University	0846589	CAREER: Next Generation Multifunctional Composites for Radiations and Impact Hazards Mitigation	Structural Materials and Mechanics	Mechanics and Engineering Materials	B
Liv	Haselbach	Washington State University	0948221	EAGER: Preliminary Analyses of Heat Storage in Pervious Concrete Systems	Structural Materials and Mechanics	Mechanics and Engineering Materials	C
Jelena	Srebric	Pennsylvania State University, University Park	0900486	Modeling of Natural Plant Materials to Enable Performance Evaluation of Environmentally Friendly Buildings	Structural Materials and Mechanics	Mechanics and Engineering Materials	D
Boris	Yakobson	William Marsh Rice University	0951145	EAGER: From Mechanics of the Eshelby Twist to Nanotube Chirality	Nano and Bio Mechanics	Mechanics and Engineering Materials	A
Soyoung	Ahn	Arizona State University	856699	Collaborative Research: Analysis and Modeling of Traffic Instabilities in Congested Traffic	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	A
Anurag	Pande	California Polytechnic State University	0927358	Collaborative Research: New Methods for Measuring, Evaluating and Predicting the Safety Impact of Road Infrastructure Systems on Driver Behavior	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	B
Burcu	Akinci	Carnegie Mellon University	0448170	CAREER: Development of an Integrated Framework for Capturing, Modeling and Visualizing the History of Construction Projects	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	C

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



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Ioannis	Brilakis	Georgia Tech Research Corporation, Georgia Institute of Technology	0948415	CAREER: Visual Pattern Recognition Models for Remote Sensing of Civil Infrastructure	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	C
Jochen	Teizer	Georgia Tech Research Corporation, Georgia Institute of Technology	0800858	SmartHat: Self-Monitoring, Analysis, and Reporting Technology for Hazard Avoidance and Training	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	D
Panagiotis	Tsiotras	Georgia Tech Research Corporation, Georgia Institute of Technology	0727768	GOALI: Next Generation Active Safety Control Systems for Crash-Avoidance of Passenger Vehicles Using Expert Driver Knowledge	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	A
Edward	Jaselskis	Iowa State University	1048358	Construction Engineering Conference: Opportunity and Vision for Education, Practice and Research; Blacksburg, Virginia; 30 September through 2 October, 2010	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	B
Chris	Koski	James Madison University	0924227	Collaborative Research: Critical Infrastructure Policy	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	C
Vinayak	Dixit	Louisiana State University and AandM College	0927123	Collaborative Research: New Methods for Measuring, Evaluating and Predicting the Safety Impact of Road Infrastructure Systems on Driver Behavior	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	D

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Yu	Nie	Northwestern University	0928577	Toward More Reliable Mobility: Improved Decision Support Tools for Transportation Systems	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	A
Terry	Friesz	Pennsylvania State University, University Park	0824640	Congestion Options: A Market Solution to Congestion Externalities	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	B
Terry	Friesz	Pennsylvania State University, University Park	0900040	Stochastic Dynamic Game-Theoretic Models of Urban Freight Systems	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	C
Michael	Zhang	University of California, Davis	0700383	Distributed Vehicular Traffic Management via DSRC-Enabled Vehicles	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	D
Dominic	Boccelli	University of Cincinnati	0900713	Real-Time Distribution System Network Modeling and Fault Diagnosis	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	A
Yanfeng	Ouyang	University of Illinois, Urbana-Champaign	0748067	CAREER: Information Mechanisms and Robust Stabilization of Nonlinear, Stochastic Transportation Networks	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	B
Vineet	Kamat	University of Michigan	0448762	CAREER: Interactive Process Visualization in Virtual and Augmented Reality for Innovative Learning, Analysis, and Design of Field Construction Operations	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	C
Vineet	Kamat	University of Michigan	0825818	A Robust Method for Resolving Incorrect Visual Occlusion in Dynamic Augmented Reality Environments of Animated Engineering Operations	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	D

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Vineet	Kamat	University of Michigan	0927475	Context-Aware Information Access for Rapid On-Site Decision Making in Construction, Maintenance, and Inspection of Civil Infrastructure Systems	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	A
Peter	May	University of Washington	0925306	Collaborative Research: Critical Infrastructure Policy	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	C
Sunil	Sinha	Virginia Polytechnic Institute and State University	0801018	CAREER: Sustainable Water Infrastructure Management System (SWIMS)	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	C
Jesus	de la Garza	Virginia Polytechnic Institute and State University	0726789	A Comprehensive Framework for the Efficiency Measurement of Road Maintenance	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	D
Leonardo	Duenas Osorio	William Marsh Rice University	0748231	CAREER: Reliability Assessment and Risk Mitigation Principles for Smart Interdependent Infrastructure Systems	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	A
Carlos	Daganzo	University of California, Berkeley	856193	Theories of Multimodal Urban Mobility	Civil Infrastructure Systems	Resilient and Sustainable Infrastructures	B
Edward	Kavazanjian	Arizona State University	0800873	GOALI/Collaborative Research: The Integrity of Geosynthetic Elements of Waste Containment Barrier Systems Subject to Large Settlement and Seismic Loading	Geotechnical Engineering	Resilient and Sustainable Infrastructures	C

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Kyle	Rollins	Brigham Young University	1052645	EAGER: Shaking Table Testing to Evaluate Effectiveness of Vertical Drains for Liquefaction Mitigation	Geotechnical Engineering	Resilient and Sustainable Infrastructures	D
Ning	Lu	Colorado School of Mines	0926276	Collaborative Research: Coupled Flow Phenomena in Unsaturated Clay Barriers	Geotechnical Engineering	Resilient and Sustainable Infrastructures	A
Charles	Shackelford	Colorado State University	0624104	COLLABORATIVE RESEARCH: Enhanced Clay Membrane Barriers for Sustainable Waste Containment	Geotechnical Engineering	Resilient and Sustainable Infrastructures	B
Charles	Shackelford	Colorado State University	0757815	GOALI/Collaborative Research: Bentonite-Polymer Nanocomposites for Geoenvironmental Applications	Geotechnical Engineering	Resilient and Sustainable Infrastructures	C
Charles	Shackelford	Colorado State University	0926205	Collaborative Research: Critical Assessment of Coupled Flow Behavior in Unsaturated Clay Barriers	Geotechnical Engineering	Resilient and Sustainable Infrastructures	D
Charles	Shackelford	Colorado State University	0969346	Collaborative Research: Experimental and Computational Investigation of Consolidation-Induced Contaminant Transport for High Water Content Geo-Materials	Geotechnical Engineering	Resilient and Sustainable Infrastructures	A
Patricia	Culligan	Columbia University	0928604	Quantifying the Fundamental Behavior of Green Roofs in an Urban Environment	Geotechnical Engineering	Resilient and Sustainable Infrastructures	B

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Majid	Manzari	George Washington University	0825483	Multiscale Meshfree Analysis of Failure in Geostuctures Founded on or Containing Liquefiable Soils	Geotechnical Engineering	Resilient and Sustainable Infrastructures	C
Leonid	Germanovich	Georgia Institute of Technology	0919497	Collaborative Research: Development of a Fracture Processes Facility at DUSEL Homestake	Geotechnical Engineering	Resilient and Sustainable Infrastructures	D
J. David	Frost	Georgia Tech Research Corporation, Georgia Institute of Technology	0825507	Collaborative Research: Geoengineering Extreme Events Reconnaissance (GEER) Association : Turning Disaster Into Knowledge	Geotechnical Engineering	Resilient and Sustainable Infrastructures	A
Glenn	Rix	Georgia Tech Research Corporation, Georgia Institute of Technology	1034793	RAPID: Seismic Performance Assessment of the Wharf and Pier at the Port de Port-au-Prince	Geotechnical Engineering	Resilient and Sustainable Infrastructures	B
Muhannad	Suleiman	Lehigh University	0927743	RUI: Pervious Concrete Piles: An Innovative Ground Improvement Alternative	Geotechnical Engineering	Resilient and Sustainable Infrastructures	C
Anirban	De	Manhattan College	0928537	RUI: Understanding the Role of Flexible and Rigid Barriers in Mitigating Surface Blast Effects on Underground Structures	Geotechnical Engineering	Resilient and Sustainable Infrastructures	D
Richard	Finno	Northwestern University	0758304	GOALI: Dynamic Soil Properties - Effects of Construction-induced Stress Changes	Geotechnical Engineering	Resilient and Sustainable Infrastructures	A

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Richard	Finno	Northwestern University	0928184	Advancing the Capabilities of Adaptive Management Techniques in Geotechnics	Geotechnical Engineering	Resilient and Sustainable Infrastructures	B
Robert	Weiss	Texas AandM Research Foundation	0928654	Collaborative Research: Initial Wave Characteristics from Deformable Submarine Landslides	Geotechnical Engineering	Resilient and Sustainable Infrastructures	C
Laurie	Baise	Tufts University	1000210	Identifying and Modeling Complex Site Response Behavior	Geotechnical Engineering	Resilient and Sustainable Infrastructures	D
C. Andrew	Ramsburg	Tufts University	1000714	Exploration of the Mechanisms Controlling Emulsion-Based Alkalinity Release during Subsurface Remediation	Geotechnical Engineering	Resilient and Sustainable Infrastructures	A
Xiong	Zhang	University of Alaska, Fairbanks	1054532	EAGER: Use of Results from the Undrain Triaxial Tests to Model Elasto-plastic Behavior for Unsaturated soils: A Feasibility Study	Geotechnical Engineering	Resilient and Sustainable Infrastructures	B
Jonathan	Bray	University of California, Berkeley	0825734	Collaborative Research: Geoengineering Extreme Events Reconnaissance (GEER) Association: Turning Disaster Into Knowledge	Geotechnical Engineering	Resilient and Sustainable Infrastructures	C
Jonathan	Bray	University of California, Berkeley	1034831	RAPID: Geotechnical Engineering Reconnaissance of the M 8.8 Chile Earthquake of February 27, 2010	Geotechnical Engineering	Resilient and Sustainable Infrastructures	D

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Patrick	Fox	University of California, San Diego	1036870	GOALI/Collaborative Research: The Integrity of Geosynthetic Elements of Waste Containment Barrier Systems Subject to Large Settlement and Seismic Loading	Geotechnical Engineering	Resilient and Sustainable Infrastructures	A
John	McCartney	University of Colorado, Boulder	0928159	Soil Structure Interaction in Geothermal Foundations	Geotechnical Engineering	Resilient and Sustainable Infrastructures	B
Scott	Olson	University of Illinois, Urbana-Champaign	0846449	CAREER: Impact of Liquefaction-Induced Water Layers on Forward and Inverse Geoengineering Analyses	Geotechnical Engineering	Resilient and Sustainable Infrastructures	C
Carlton	Ho	University of Massachusetts, Amherst	0956960	RAPID: Spectral Analysis of Sub-Track Accelerations Subjected to Long Term Heavy Axle Load Conditions	Geotechnical Engineering	Resilient and Sustainable Infrastructures	D
Peter	Mackenzie-Helwein	University of Washington	0900318	Landslide and Debris-flow Induced Static and Dynamic Loads on Protective Structures	Geotechnical Engineering	Resilient and Sustainable Infrastructures	A
Russell	Green	Virginia Polytechnic Institute and State University	0962952	CAREER: Determination of Performance-Based Earthquake Engineering Parameters using Paleoseismic Techniques	Geotechnical Engineering	Resilient and Sustainable Infrastructures	B
Russell	Green	Virginia Polytechnic Institute and State University	1030564	Energy-based Approach for Evaluating and Mitigating Liquefaction Potential	Geotechnical Engineering	Resilient and Sustainable Infrastructures	C

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Guney	Olgun	Virginia Polytechnic Institute and State University	0928807	The Use of Energy Piles for Sustainable Energy	Geotechnical Engineering	Resilient and Sustainable Infrastructures	D
Swaminathan	Krishnan	California Institute of Technology	0926962	Quantifying the Risk Posed to Tall Steel Frame Buildings in Southern California from Earthquakes on the San Andreas Fault	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	A
Yongming	Liu	Clarkson University	0900111	Probabilistic Fatigue Life Prediction and Risk Assessment of Aging Bridges in Cold Regions	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	B
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	C
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
George	Deodatis	Columbia University	0928129	Reliability and Safety of Suspension Bridge Cables Using Continuous Health Monitoring Data	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	A
Haim	Waisman	Columbia University	0856161	Collaborative Research: Blast Resistance of Polyurea-Steel Composite Structures for Infrastructure Protection	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	B



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Mircea	Grigoriu	Cornell University	0925714	Life-Cycle Damage and Downtime Cost Estimates for Structural Systems Subjected to Seismic Loads	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	C
Aspasia	Zerva	Drexel University	0900179	Spatial Variability Effects on the Seismic Response of RC Highway Bridges	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	D
Jay	Berger	Earthquake Engineering Research Institute	0758529	Learning From Earthquakes	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	A
Jean-Paul	Pinelli	Florida Institute of Technology	0625124	Measurement and Characterization of Hurricane Wind Loads on Structures Using a Wireless Sensing Networking System	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	B
Girma	Bitsuamlak	Florida International University	0846811	CAREER: Multi-Scale Computational Evaluation of Wind Load on Buildings	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	C
Arindam	Chowdhury	Florida International University	0928740	Development of Effective Approaches to the Large-Scale Aerodynamic Testing of Low-Rise Buildings	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	D
Reginald	DesRoches	Georgia Tech Research Corporation, Georgia Institute of Technology	1000700	Collaborative Research: Machine Vision Enhanced Post Earthquake Inspection and Rapid Loss Estimation	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	A
Narutoshi	Nakata	Johns Hopkins University	0954958	CAREER: Advanced Acceleration Control Methods and Substructure Techniques for Shaking Table Tests	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	B

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

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Venkatesh	Kodur	Michigan State University	0758409	Collaborative Research: Fire Behavior and Design of Building Floor Systems	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	B
Venkatesh	Kodur	Michigan State University	0829444	US/India Workshop: Enhancing the Resilience of Built Infrastructure; Chennai, India; December 2008	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	C
Venkatesh	Kodur	Michigan State University	0855820	Guidelines for Enhancing Fire Endurance of FRP-Strengthened Reinforced Concrete Beams	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	D
Genda	Chen	Missouri University of Science and Technology	0825942	Rapid Post-Earthquake Assessment on Building Condition and Chemical Hazard with a Temperature-Tolerant Monitoring System	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	A
Dionisio	Bernal	Northeastern University	1000391	Algorithm-Fused High Performance Damage Detector: Optimal Sensor Distributions	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	B
Luca	Caracoglia	Northeastern University	0600575	A probability-based methodology for the analysis of fluctuating wind loads on cable-supported bridges	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	C
Luca	Caracoglia	Northeastern University	0844977	CAREER: An Innovative Performance-Based Simulation Framework for High-Rise Buildings against Wind Hazards	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	D

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

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

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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
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	B
Ahsan	Kareem	University of Notre Dame	0742191	VORTEX-Winds: A Virtual Organization for Reducing the Toll of EXtreme Winds on Society	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	C
Ahsan	Kareem	University of Notre Dame	0928282	Advanced Aeroelastic Analysis Framework for Cable-Supported Bridges under Turbulent Winds	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	D
Yahya	Kurama	University of Notre Dame	0800356	RC Bearing Walls Subjected to Elevated Temperatures	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	A
Yahya	Kurama	University of Notre Dame	0928662	Evaluation of Ground Motion Scaling Methods for Nonlinear Analysis of Structural Systems	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	B
Alexandros	Taflanidis	University of Notre Dame	1030726	Probabilistic Sensitivity Analysis for Seismic Risk Based on Stochastic Sampling and Focusing on Stochastic Ground Motion Modeling	Hazard Mitigation and Structural Engineering	Resilient and Sustainable Infrastructures	C

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

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



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Jack	Baker	Stanford University	0952402	CAREER: Assessment of Infrastructure Risk Under Natural Disasters in a Multiscale Probabilistic Framework	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	D
Shannon	Van Zandt	Texas AandM Research Foundation	0928926	Developing A Living Laboratory" for Examining Community Recovery and Resilience After Disaster"	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	A
Emily	Zechman	Texas Engineering Experiment Station	0927739	Agent-Based Modeling for Planning Emergency Response to Contamination Emergencies in Water Utilities	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	B
Jun	Zhuang	University at Buffalo, SUNY	1034730	RAPID Collaborative Research: Identification of Key Dynamics for Optimal Distribution and Sustainable Partnership in Haitian Disaster Recovery	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	C
Brett	Sanders	University of California, Irvine	0825165	Data Integration and Model Development to Mitigate Urban Flooding Hazards Linked to Sea Level Rise	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	D
Abbie	Liel	University of Colorado Boulder	0961916	RAPID: Recovery Process and Progress Following the 2009 L'Aquila Earthquake	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	A
Kathleen	Tierney	University of Colorado, Boulder	1034861	RAPID: Temporary Housing Planning and Early Implementation in the January 12, 2010 Haiti Earthquake	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	B

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Peter	Luh	University of Connecticut	1000495	Building Emergency Evacuation: Innovative Modeling and Optimization	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	C
Kristine	Qureshi	University of Hawaii	0653240	Collaborative Research: Knowledge, Attitudes and Behavioral Intentions of Essential Personnel with Respect to Avian Influenza and SARS	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	D
Ximing	Cai	University of Illinois, Urbana-Champaign	0825654	Planning for Drought Preparedness in the Watershed Context: A Risk-Based Decision Analysis	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	A
Sheldon	Jacobson	University of Illinois, Urbana-Champaign	0900226	New Approaches to Protecting Transportation Infrastructure	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	B
Robert	Olshansky	University of Illinois, Urbana-Champaign	0758310	Rebuilding New Orleans: Evaluating the Post-Disaster Planning Process	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	C
Junho	Song	University of Illinois, Urbana-Champaign	1031318	Risk-informed Management and Post-disaster Operations of Lifeline Networks by Rapid, Condition-based System Reliability Analysis	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	D
Nikolaos	Katopodes	University of Michigan	0856438	Detection and Mitigation of Hazardous Releases in Infrastructure Systems	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	A
Henry	Liu	University of Minnesota, Twin Cities	0825768	BRIDGE: Behavioral Response to the I-35W Disruption: Gauging Equilibration	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	B

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Kash	Barker	University of Oklahoma	0927299	Collaborative Research: Modeling the Efficacy of Inventory for Extreme Event Preparedness Decision Making in Interdependent Systems	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	C
Leonardo	Duenas Osorio	William Marsh Rice University	0728040	Interdependent Response of Complex Urban Infrastructures Subjected to Multiple Hazards	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	D
Jamie	Padgett	William Marsh Rice University	0928493	IT-Enabled Continuous Risk Assessment of Bridge Networks for Customized and Actionable Multi-Hazard Interventions	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	A
Peter	Luh	University of Connecticut	1000495	Building Emergency Evacuation: Innovative Modeling and Optimization	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	B
Jeannette	Sutton	University of Colorado, Colorado Springs	1031779	Collaborative Research: Informal Online Communication in Crises and Disaster Events: Content, Structure, and Dynamics	Infrastructure Management and Extreme Events	Resilient and Sustainable Infrastructures	C
Jacobo	Bielak	Carnegie Mellon University	0619078	NEESR-SG: High-fidelity site characterization by experimentation, field observation, and inversion-based modeling	NEES Research	Resilient and Sustainable Infrastructures	D
Jay	Berger	Earthquake Engineering Research Institute	1045037	Workshops to Identify Research Needs Emerging from the 2010 Haiti and Chile Earthquakes	NEES Research	Resilient and Sustainable Infrastructures	A

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Glenn	Rix	Georgia Tech Research Corporation, Georgia Institute of Technology	0530478	NEESR-GC: Seismic Risk Mitigation for Port Systems	NEES Research	Resilient and Sustainable Infrastructures	B
Jeremy	Ashlock	Iowa State University	0936627	NEESR Payload: Characterization of Dynamic Soil-Pile Interaction by Random Vibration Methods	NEES Research	Resilient and Sustainable Infrastructures	C
Benjamin	Schafer	Johns Hopkins University	1041578	NEESR-CR: Enabling Performance-Based Seismic Design of Multi-Story Cold-Formed Steel Structures	NEES Research	Resilient and Sustainable Infrastructures	D
Rigoberto	Burgueno	Michigan State University	0530634	NEESR-II: Inelastic Web Crushing Performance Limits of High-Strength-Concrete Structural Walls	NEES Research	Resilient and Sustainable Infrastructures	A
Peter	Dusicka	Portland State University	0830414	NEESR-II: Toward Rapid Return to Occupancy in Unbraced Steel Frames	NEES Research	Resilient and Sustainable Infrastructures	B
Branko	Glisic	Princeton University	0936493	NEESR Payload: Fiber Optic Method for Buried Pipelines Health Assessment after Earthquake-Induced Ground Movement	NEES Research	Resilient and Sustainable Infrastructures	C
Shirley	Dyke	Purdue University	1011534	NEESR-SG: Performance-Based Design and Real-time Large-scale Testing to Enable Implementation of Advanced Damping Systems	NEES Research	Resilient and Sustainable Infrastructures	D

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

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Jonathan	Bray	University of California, Berkeley	0830331	NEESR-SG: Seismic Performance Assessment in Dense Urban Environments	NEES Research	Resilient and Sustainable Infrastructures	C
Bruce	Kutter	University of California, Davis	0936503	NEESR-CR: Design of Soil and Structure Compatible Yielding to Improve System Performance	NEES Research	Resilient and Sustainable Infrastructures	D
Ahmed	Elgamal	University of California, San Diego	0830422	NEESR-II: A Seismic Study of Wind Turbines for Renewable Energy	NEES Research	Resilient and Sustainable Infrastructures	A
Richard	Christenson	University of Connecticut	0830235	NEESR-SD: Development of a Real-Time Multi-Site Hybrid Testing Tool for NEES	NEES Research	Resilient and Sustainable Infrastructures	B
Scott	Olson	University of Illinois, Urbana-Champaign	0723697	NEESR-SG: Soil Improvement Strategies to Mitigate Impact of Seismic Ground Failures via Novel Integration of Experiment and Simulation	NEES Research	Resilient and Sustainable Infrastructures	C
Gustavo	Parra-Montesinos	University of Michigan	0936519	NEESR-CR: Assessment of Punching Shear Vulnerability of Slab-Column Connections with Shear Stud Reinforcement	NEES Research	Resilient and Sustainable Infrastructures	D
Emmanuel	Maragakis	University of Nevada, Reno	0721399	NEESR-GC: Simulation of the Seismic Performance of Nonstructural Systems	NEES Research	Resilient and Sustainable Infrastructures	A

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Keri	Ryan	University of Nevada, Reno	0724208	NEESR-SG: TIPS - Tools to Facilitate Widespread Use of Isolation and Protective Systems, a NEES/E-Defense Collaboration	NEES Research	Resilient and Sustainable Infrastructures	B
Yahya	Kurama	University of Notre Dame	1041598	NEESR-CR: Post-Tensioned Coupled Shear Wall Systems	NEES Research	Resilient and Sustainable Infrastructures	C
Kanhasamy	Muraleetharan	University of Oklahoma	0830328	NEESR-SG: Understanding and Improving the Seismic Behavior of Pile Foundations in Soft Clays	NEES Research	Resilient and Sustainable Infrastructures	D
Jeffrey	Berman	University of Washington	0830294	NEESR-SG: Smart and Resilient Steel Walls for Reducing Earthquake Impacts	NEES Research	Resilient and Sustainable Infrastructures	A
Adrian	Rodriguez-Marek	Virginia Polytechnic Institute and State University	0936543	NEESR-CR: Topographic Effects in Strong Ground Motion - From Physical and Numerical Modeling to Design	NEES Research	Resilient and Sustainable Infrastructures	B
Satish	Nagarajaiah	William Marsh Rice University	0830391	NEESR-SG: Development of Next Generation Adaptive Seismic Protection Systems	NEES Research	Resilient and Sustainable Infrastructures	C
Barbara	Cutler	Rensselaer Polytechnic Institute	0835762	CDI-Type I: Fundamental Terrain Representations and Operations	CDI TYPE I	Systems Engineering and Design	A

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



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

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Junmin	Wang	Ohio State University	1029611	Synergistically Integrated In-Cylinder Condition and Fueling Control for Advanced Multi-Mode Combustion Diesel Engines	Control Systems	Systems Engineering and Design	A
Giorgio	Rizzoni	Ohio State University Research Foundation	0825655	GOALI: Model-Based System Fault Diagnosis and Prognosis - Passive Robustness and Aging Prediction - Application to automotive electrical systems	Control Systems	Systems Engineering and Design	B
Prabhakar	Pagilla	Oklahoma State University	0825937	Collaborative Research: Safe Coordination of Multiple Autonomous Vehicles	Control Systems	Systems Engineering and Design	C
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
Tuhin	Das	Rochester Institute of Technology	1030744	Controlling Transient Behavior of Solid Oxide Fuel Cells Using an Invariant Property	Control Systems	Systems Engineering and Design	A
Yi	Guo	Stevens Institute of Technology	0825613	Collaborative Research: Control of Atomic-Scale Friction by Normal Surface Oscillation	Control Systems	Systems Engineering and Design	B

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Makan	Fardad	Syracuse University	0927509	Collaborative Research: Algorithms for Design of Structured Distributed Controllers with Application to Large-Scale Vehicular Formations	Control Systems	Systems Engineering and Design	C
Leehyun	Keel	Tennessee State University	0927664	A Collaborative Research on Multivariable Fixed Order Controller Synthesis and Design from Data	Control Systems	Systems Engineering and Design	D
Bryan	Rasmussen	Texas Engineering Experiment Station	0644363	CAREER: Model-Based Control and Diagnostics for Transcritical CO <sub>2</sub> Vapor Compression Cycle Systems	Control Systems	Systems Engineering and Design	A
Puneet	Singla	University at Buffalo, SUNY	0928630	Image Guided Tracking of Tumor Motion for Conformal Radiation Therapy	Control Systems	Systems Engineering and Design	B
Mont	Hubbard	University of California, Davis	0928339	Human Control of Bicycle Dynamics with Experimental Validation and Implications for Bike Handling and Design	Control Systems	Systems Engineering and Design	C
Marwan	Simaan	University of Central Florida	0951843	EAGER PROPOSAL: An Exploratory and Radically Different Approach for Control of a Tandem Hot Metal Strip Rolling Process for Product Quality Improvement.	Control Systems	Systems Engineering and Design	D
Warren	Dixon	University of Florida	0547448	CAREER: Nonlinear Control of Human Skeletal Muscle	Control Systems	Systems Engineering and Design	A

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

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

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

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

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Jonathan	Clark	Florida State University	0826137	Collaborative Research: Dynamics of Running on Variable Inclines	Dynamical Systems	Systems Engineering and Design	D
Emmanuel	Collins	Florida State University	0927040	Modeling and Motion Planning for Autonomous Skid-Steered Vehicles	Dynamical Systems	Systems Engineering and Design	A
Massimo	Ruzzene	Georgia Tech Research Corporation, Georgia Institute of Technology	0926776	Nonlinear Acoustic Meta-Materials for Wave Propagation Management and Control	Dynamical Systems	Systems Engineering and Design	B
Jing	Li	Lehigh University	0928092	New Model and Methodology for Signal Estimation and Decoding	Dynamical Systems	Systems Engineering and Design	C
Harry	Asada	Massachusetts Institute of Technology	0728162	Stochastic Recruitment and Broadcast Feedback of Cellular Control Systems and Its Application to Muscle Actuators	Dynamical Systems	Systems Engineering and Design	D
Brian	Feeny	Michigan State University	0727838	Modal Identification by Decomposition Methods	Dynamical Systems	Systems Engineering and Design	A
Brian	Feeny	Michigan State University	1030377	A Positive Effect of Negative Stiffness: Wave Behavior and Energy Management	Dynamical Systems	Systems Engineering and Design	B
Steven	Shaw	Michigan State University	0700307	GOALI: Transient Dynamics of Torsional Vibration Absorbers	Dynamical Systems	Systems Engineering and Design	C
Tomas	Gedeon	Montana State University	0849433	Fluid-Structure Interaction in Arthropod Mechanoreceptors with Application to Bio-Inspired Micro-Fluidic Sensors	Dynamical Systems	Systems Engineering and Design	D



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

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Anil	Bajaj	Purdue University	0728101	Nonlinear Dynamics of Seat-Occupant Systems with Nonlinear Viscoelastic Models of Flexible Polyurethane Foam	Dynamical Systems	Systems Engineering and Design	D
Arvind	Raman	Purdue University	0700289	Nonlinear Dynamics of Microcantilevers Interacting with Nanostructures: New Paradigms for Ultrasensitive Atomic Force Microscopy	Dynamical Systems	Systems Engineering and Design	A
Arvind	Raman	Purdue University	0927648	GOALI: Nonlinear, Multimodal, and Stochastic Dynamics of Low-stiffness Microcantilevers in Liquid Environment Atomic Force Microscopy	Dynamical Systems	Systems Engineering and Design	B
Jeffrey	Rhoads	Purdue University	0826276	Exploiting Parametric Effects in Resonant Nanosystems	Dynamical Systems	Systems Engineering and Design	C
Jeffrey	Rhoads	Purdue University	0846385	CAREER: Exploiting Collective Behaviors in Coupled Micro- and Nanosystems	Dynamical Systems	Systems Engineering and Design	D
Wen-wen	Tung	Purdue University	0826119	Collaborative Research: Quantifying Predictability in Nonlinear Multiscale Systems with Applications to Tropical Cyclone Prediction	Dynamical Systems	Systems Engineering and Design	A
Kurt	Anderson	Rensselaer Polytechnic Institute	0757936	Framework for the Adaptive Multiscale Modeling of Biopolymers	Dynamical Systems	Systems Engineering and Design	B

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Jose	Palacios	San Diego State University Foundation	0923803	DynSyst Special Topics: Coupled Inertial Navigation System	Dynamical Systems	Systems Engineering and Design	C
Mohammad	Younis	State University of New York, Binghamton	0700683	Microbeams under Mechanical Shock and Electrostatic Actuation Accounting for the Effects of Circuit Board and Package Motion	Dynamical Systems	Systems Engineering and Design	D
Mohammad	Younis	State University of New York, Binghamton	0846775	CAREER: Investigations into Nonlinear Phenomena in Electrostatic MEMS and their Potential for Smart Sensors and Actuators	Dynamical Systems	Systems Engineering and Design	A
Mohammad	Younis	State University of New York, Binghamton	0928494	Collaborative Research: Exploration of the Nonlinear Dynamics of NEMS Carbon Nanotube Resonators	Dynamical Systems	Systems Engineering and Design	B
Karlene	Hoo	Texas Tech University	0927796	Closed-loop Reservoir Management Using a Reduced-order Model-based Control and Uncertainty Propagation Framework	Dynamical Systems	Systems Engineering and Design	C
John	Judge	The Catholic University of America	0747598	CAREER: Dynamics of Micro- and Nanomechanical Resonator Arrays	Dynamical Systems	Systems Engineering and Design	D

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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	Dynamical Systems	Systems Engineering and Design	B
Oliver	O'Reilly	University of California, Berkeley	1000906	The Dynamics of a Novel Wave Energy Converter	Dynamical Systems	Systems Engineering and Design	C
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	B
Mahmoud	Hussein	University of Colorado Boulder	0927322	A Building Block Approach to Controlling Phonon Dynamics in Nanostructures	Dynamical Systems	Systems Engineering and Design	C

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

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Derek	Paley	University of Maryland, College Park	0928416	Collaborative Research: Targeting Observations of Tropical Cyclones using Cooperative Control of Unmanned Aircraft	Dynamical Systems	Systems Engineering and Design	C
Derek	Paley	University of Maryland, College Park	0954361	CAREER: Dynamics and Control of Motion Coordination for Information Transmission in Groups	Dynamical Systems	Systems Engineering and Design	D
Christopher	Niezrecki	University of Massachusetts, Lowell	0900534	Dynamic Stress-Strain Prediction of Vibrating Structures in Operation	Dynamical Systems	Systems Engineering and Design	A
Sharanya	Majumdar	University of Miami School of Marine and Atmospheric Science	0928198	Collaborative Research: Targeting Observations of Tropical Cyclones Using Cooperative Control of Unmanned Aircraft	Dynamical Systems	Systems Engineering and Design	B
Dennis	Bernstein	University of Michigan	0758363	A Multistability Framework for Modeling and Control of Hysteretic Damping and Friction	Dynamical Systems	Systems Engineering and Design	C
Bogdan	Epureanu	University of Michigan	0625011	Micro-Fluid-Structural Sensing Based on Sensitivity Vector Fields and Morphing Modes Created by Nonlinear Feedback Excitation	Dynamical Systems	Systems Engineering and Design	D
Bogdan	Epureanu	University of Michigan	0800202	Cooperative Nonlinear Dynamics of Motor Proteins	Dynamical Systems	Systems Engineering and Design	A
Noel	Perkins	University of Michigan	0825488	Predicting the Torsional Dynamics of DNA	Dynamical Systems	Systems Engineering and Design	B

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A. Galip	Ulsoy	University of Michigan	0625060	Optimal Co-Design of Controlled Systems and their Controllers	Dynamical Systems	Systems Engineering and Design	C
Scott	Kelly	University of North Carolina, Charlotte	1000656	Collaborative Research: Manipulation of Suspended Microparticles via Localized Fluid Boundary Dynamics: Modeling, Simulation, and Experiments	Dynamical Systems	Systems Engineering and Design	D
Piervincenzo	Rizzo	University of Pittsburgh	0825983	Collaborative Research: Novel NDE/SHM Approach Based on Highly Nonlinear Dynamics	Dynamical Systems	Systems Engineering and Design	A
David	Chelidze	University of Rhode Island	0758536	Rational Models and Dynamical Characterization of Fatigue using Phase Space Warping and Smooth Orthogonal Decomposition	Dynamical Systems	Systems Engineering and Design	B
Sheryl	Gracewski	University of Rochester	0652947	Dynamic Response of Constrained Bubbles to Acoustic Excitation	Dynamical Systems	Systems Engineering and Design	C
Joseph	Majdalani	University of Tennessee Space Institute	0928762	GOALI: Predicting Acoustic Wave Dynamics in Solid and Hybrid Rocket Motors	Dynamical Systems	Systems Engineering and Design	D
Hans	DeSmidt	University of Tennessee, Knoxville	0748022	CAREER: Vibration-Based Active and Passive Damage Identification of Time-Varying Dynamical Systems with Applications to Rotating Structures	Dynamical Systems	Systems Engineering and Design	A

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Hans	DeSmidt	University of Tennessee, Knoxville	0856471	Passive Nonlinear Automatic Balancing of Flexible Rotordynamic Structures	Dynamical Systems	Systems Engineering and Design	B
Xiaopeng	Zhao	University of Tennessee, Knoxville	0845753	CAREER: Integrated Research and Education in Nonlinear Dynamics in Biological Systems	Dynamical Systems	Systems Engineering and Design	C
Santosh	Devasia	University of Washington	0856091	Vibration Mitigation in Inchworm Nanopositioners for SPMs	Dynamical Systems	Systems Engineering and Design	D
Zelda	Zabinsky	University of Washington	0908317	DynSyst_Special_Topics: Optimization of Enterprise Dynamical Systems Described By Rules	Dynamical Systems	Systems Engineering and Design	A
Matthew	Allen	University of Wisconsin, Madison	0969224	Methods for Experimental Identification of Nonlinear Dynamic Systems of Unknown Form and Order With Application to Human Gait	Dynamical Systems	Systems Engineering and Design	B
Dan	Negrut	University of Wisconsin, Madison	0840442	CAREER: Advanced Computational Multi-Body Dynamics for Next Generation Simulation-Based Engineering	Dynamical Systems	Systems Engineering and Design	C
Kalman	Varga	Vanderbilt University	0927345	Quantum dynamics at the nanoscale	Dynamical Systems	Systems Engineering and Design	D
Reinhard	Laubenbacher	Virginia Polytechnic Institute and State University	0908201	DynSyst_Special_Topics: Polynomial Dynamical Systems Over Finite Fields: From Structure to Dynamics	Dynamical Systems	Systems Engineering and Design	A



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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	B
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	C
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	A
Weidong	Zhu	University of Maryland, Baltimore County	0600559	Vibration-Based Structural Damage Detection: Theory and Applications	Dynamical Systems	Systems Engineering and Design	B
Jami	Shah	Arizona State University	0728192	Identification, Characterization and Measurement of Design Skills and Designer Profiles	Engineering Design and Innovation	Systems Engineering and Design	C
Jami	Shah	Arizona State University	1002910	Major: Understanding and Aiding Problem Formulation in Creative Conceptual Design	Engineering Design and Innovation	Systems Engineering and Design	C
Jami	Shah	Arizona State University	1045644	EAGER: Holistic Ideation for Creative Design	Engineering Design and Innovation	Systems Engineering and Design	C

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Larry	Howell	Brigham Young University	0800606	Lamina Emergent Mechanisms	Engineering Design and Innovation	Systems Engineering and Design	B
Christopher	Mattson	Brigham Young University	800904	A Framework for Maintaining Product Superiority by Designing Hardware That Protects Itself From Reverse Engineering	Engineering Design and Innovation	Systems Engineering and Design	C
Christopher	Mattson	Brigham Young University	0954580	CAREER: Design Strategies to Benefit from the Profit-by-Poverty-Alleviation Paradox	Engineering Design and Innovation	Systems Engineering and Design	D
Charles	Kim	Bucknell University	0700495	Collaborative Research: A Mathematical Design Framework for the Synthesis of Biologically-Inspired Systems	Engineering Design and Innovation	Systems Engineering and Design	A
Charles	Kim	Bucknell University	1030687	Collaborative Research: Design Framework for Biomimetic Elasto-Fluidic Systems	Engineering Design and Innovation	Systems Engineering and Design	B
Levent	Kara	Carnegie Mellon University	0846730	CAREER: Sketch-based Construction and Interaction with Geometric Content in Creative Design Environments	Engineering Design and Innovation	Systems Engineering and Design	C
Gregory	Mocko	Clemson University	0826441	Integrative Situated Design: Linking Functions and Affordances Through Form	Engineering Design and Innovation	Systems Engineering and Design	D
Dan	Simon	Cleveland State University	0826124	GOALI: Biogeography-Based Optimization of Multiple Related Complex Systems	Engineering Design and Innovation	Systems Engineering and Design	A

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

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

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Robert	Stone	Oregon State University	0968410	Collaborative Research: A Biomimetic Concept Generator for Engineering Design	Engineering Design and Innovation	Systems Engineering and Design	C
Irem	Tumer	Oregon State University	0928076	Collaborative Research: Quantifying Creativity in Automated Design through a Multiagent Coordination Framework	Engineering Design and Innovation	Systems Engineering and Design	D
Irem	Tumer	Oregon State University	1030060	GOALI/Collaborative Research: A Methodology for Utility-Based Decision Making in Large Design Organizations Using Empirically-Derived Risk Indicators	Engineering Design and Innovation	Systems Engineering and Design	A
Xiaobo	Peng	Prairie View AandM University	0923447	MRI: Acquisition of a PowerWall Virtual Reality System for Enabling Research/Teaching in Virtual Prototyping	Engineering Design and Innovation	Systems Engineering and Design	B
Julie	Linsey	Texas Engineering Experiment Station	1000954	Enhancing Engineering Innovation through Physical Representation: Identifying the Cognitive Enhancements Provided by Representation and Creating Novel Design Methods	Engineering Design and Innovation	Systems Engineering and Design	C

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Richard	Malak	Texas Engineering Experiment Station	1029964	GOALI/Collaborative Research: A Methodology for Utility-Based Decision Making in Large Design Organizations Using Empirically-Derived Risk Indicators	Engineering Design and Innovation	Systems Engineering and Design	D
Daniel	McAdams	Texas Engineering Experiment Station	0800772	Collaborative Research: A Biomimetic Concept Generator for Engineering Design	Engineering Design and Innovation	Systems Engineering and Design	A
Samy	Missoum	University of Arizona	0800117	Explicit Design Space Decomposition with Adaptive Sampling for Design Optimization and Uncertainty Quantification	Engineering Design and Innovation	Systems Engineering and Design	B
Samy	Missoum	University of Arizona	1029257	Advances in Explicit Design Space Decomposition for Computational Design	Engineering Design and Innovation	Systems Engineering and Design	C
Thomas	Stahovich	University of California, Riverside	0729422	Natural User Interfaces for Conceptual Design Tools	Engineering Design and Innovation	Systems Engineering and Design	D
Kurt	Maute	University of Colorado, Boulder	0729520	A Design-Centered Approach to Nano-Engineering	Engineering Design and Innovation	Systems Engineering and Design	A
Horea	Ilies	University of Connecticut	0644769	CAREER: Geometric Singularities in Engineering Design and Manufacturing: A Generic Spacetime Approach	Engineering Design and Innovation	Systems Engineering and Design	B
Horea	Ilies	University of Connecticut	0927105	Geometric Skeletons for Topologically Evolving Domains	Engineering Design and Innovation	Systems Engineering and Design	C

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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	B
Debasish	Dutta	University of Illinois, Urbana-Champaign	0653838	Semantic Integration of Multiple Information Resources in Product Development: Managing Internal and External Heterogeneity	Engineering Design and Innovation	Systems Engineering and Design	C
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	GOAL: Dynamic Multi-Mode Design Methodology for Efficient Energy Conversion System Design	Engineering Design and Innovation	Systems Engineering and Design	A
Harrison	Kim	University of Illinois, Urbana-Champaign	0953021	CAREER: Trend-Mining Design - Foundations for Modeling the Mutual Influence between Pre-Life Design and End-of-Life Recovery of a Sustainable Product Portfolio	Engineering Design and Innovation	Systems Engineering and Design	B

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Deborah	Thurston	University of Illinois, Urbana-Champaign	1029233	Workshop: Design Methods for Sustainability, held in Montreal, Canada; August 15-18, 2010	Engineering Design and Innovation	Systems Engineering and Design	C
Hai-Jun	Su	University of Maryland, Baltimore County	0845793	CAREER: A Theoretical Framework for the Conceptual Design of Compliant Systems	Engineering Design and Innovation	Systems Engineering and Design	D
Hai-Jun	Su	University of Maryland, Baltimore County	0900517	Collaborative Research: Variational Kinematic Geometry and Task Driven Mechanism Design in VR Environment	Engineering Design and Innovation	Systems Engineering and Design	A
Shapour	Azarm	University of Maryland, College Park	0654042	Strategic Product Design for Retail Channel Acceptance Under Uncertainty and Competition	Engineering Design and Innovation	Systems Engineering and Design	B
Satyandra	Gupta	University of Maryland, College Park	0727380	Collaborative Research: Automatic Generation of Context-Dependent Simplified Models to Support Interactive Virtual Assembly	Engineering Design and Innovation	Systems Engineering and Design	C
Peter	Sandborn	University of Maryland, College Park	0928628	Collaborative Research: Knowledge Representation and Design for Managing Product Obsolescence	Engineering Design and Innovation	Systems Engineering and Design	D
Richard	Gonzalez	University of Michigan	0927474	The Role of Heuristics in Creative and Innovative Robust Designs: Understanding Both Individual and Team-Based Design	Engineering Design and Innovation	Systems Engineering and Design	A



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

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Krishnan	Suresh	University of Wisconsin, Madison	0726635	Collaborative Research: Automatic Generation of Context-Dependent Simplified Models to Support Interactive Virtual Assembly	Engineering Design and Innovation	Systems Engineering and Design	B
Krishnan	Suresh	University of Wisconsin, Madison	0745398	CAREER: Next-Generation Shape Optimization of Geometrically Complex Artifacts	Engineering Design and Innovation	Systems Engineering and Design	C
Roshan	D'souza	University of Wisconsin, Milwaukee	0968518	Graphics Hardware Accelerated Real-Time Machinability Analysis of Free-Form Surfaces	Engineering Design and Innovation	Systems Engineering and Design	D
Jitesh	Panchal	Washington State University	0954447	CAREER: Collective Innovation - Transforming the Realization of Complex Engineering Systems	Engineering Design and Innovation	Systems Engineering and Design	A
Jitesh	Panchal	Washington State University	1042350	Collaborative Research: EAGER - Managing Uncertainty by Integrating Information Economics and Robust Design	Engineering Design and Innovation	Systems Engineering and Design	B
Matthew	Parkinson	Pennsylvania State University, University Park	0846373	CAREER: Foundations of Designing for Human Variability	Engineering Design and Innovation	Systems Engineering and Design	C
Sara	McMains	University of California, Berkeley	0547675	CAREER: Parallel GPU Analysis for Real-Time Manufacturability	Engineering Design and Innovation	Systems Engineering and Design	D
Jay	Sethuraman	Columbia University	0916453	Effective Resource Allocation Mechanisms: Fairness and Incentives	Operations Research	Systems Engineering and Design	A

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

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

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Retsef	Levi	Massachusetts Institute of Technology	0846554	CAREER: New Algorithmic Approaches to Computationally Challenging Stochastic Supply Chain and Revenue Management Models	Operations Research	Systems Engineering and Design	A
Georgia	Perakis	Massachusetts Institute of Technology	0758061	Price of Anarchy and Its Applications	Operations Research	Systems Engineering and Design	B
James	Calvin	New Jersey Institute of Technology	0825381	Algorithms and Complexity for Global Optimization	Operations Research	Systems Engineering and Design	C
Marvin	Nakayama	New Jersey Institute of Technology	0926949	Modeling and Simulation of Complex Stochastic Systems and Cascading Failures, with Applications to the Electric Power Grid	Operations Research	Systems Engineering and Design	D
Jeremy	Staum	Northwestern University	0900354	Stochastic Kriging: Modeling and Controlling Uncertainty in Simulation	Operations Research	Systems Engineering and Design	A
Suvrajeet	Sen	Ohio State University Research Foundation	0900070	Collaborative Research: Stochastic Multi-scale Optimization for Energy Resource Planning	Operations Research	Systems Engineering and Design	B
Alexandre	d'Aspremont	Princeton University	0844795	CAREER: Semidefinite Programming with Applications in Statistical Learning	Operations Research	Systems Engineering and Design	C
Warren	Powell	Princeton University	0856153	Collaborative Research: Stochastic Multi-scale Optimization for Energy Resource Planning	Operations Research	Systems Engineering and Design	D

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Mohit	Tawarmalani	Purdue University	0900065	Collaborative Research: Generating Stronger Cuts for Nonlinear Programs Via Orthogonal Disjunctions and Lifting Techniques	Operations Research	Systems Engineering and Design	A
Wai Kin Victor	Chan	Rensselaer Polytechnic Institute	0644959	CAREER: Robust Modeling and Analysis of Discrete-Event Dynamic Systems	Operations Research	Systems Engineering and Design	B
Andrzej	Ruszczynski	Rutgers University	0965689	Collaborative Research: Successive Risk-Neutral Approximations of Dynamic Risk-Averse Optimization Problems	Operations Research	Systems Engineering and Design	C
Farid	Alizadeh	Rutgers University, Newark	0935305	Optimization Over Positive or Sum-of-Square Functions with Applications to Constrained Approximation and Shape Constrained Learning	Operations Research	Systems Engineering and Design	D
Ramesh	Johari	Stanford University	0948434	EAGER: Efficient Pricing for Dynamic Resource Allocation in Transportation Systems	Operations Research	Systems Engineering and Design	A
Eugene	Feinberg	State University of New York, Stony Brook	0900206	Collaborative Research: Uncountable Markov Decision Processes and their Applications to Optimization of Large-Scale Stochastic Systems	Operations Research	Systems Engineering and Design	B

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

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Jean-Philippe	Richard	University of Florida	0856605	Collaborative Research: Generating Stronger Cuts for Nonlinear Programs Via Orthogonal Disjunctions and Lifting Techniques	Operations Research	Systems Engineering and Design	B
Tito	Homem-de-Mello	University of Illinois, Chicago	1033051	Optimization Algorithms for Problems with Stochastic Dominance Constraints	Operations Research	Systems Engineering and Design	C
Xin	Chen	University of Illinois, Urbana-Champaign	0653909	Collaborative Research: Optimization Approach to Collaborative Games in Supply Chain Management	Operations Research	Systems Engineering and Design	D
Angelia	Nedich	University of Illinois, Urbana-Champaign	0742538	CAREER: Cooperative Multi-Agent Optimization	Operations Research	Systems Engineering and Design	A
Zhi-Quan	Luo	University of Minnesota, Twin Cities	0726336	Optimal Resource Management: Complexity, Duality and Approximation	Operations Research	Systems Engineering and Design	B
Juan Pablo	Vielma Centeno	University of Pittsburgh	1030662	Collaborative Research: Fundamentals of Convex Mixed Integer Nonlinear Programming	Operations Research	Systems Engineering and Design	C
Oleg	Prokopyev	University of Pittsburgh	0825993	Novel Optimization-Based Biclustering Algorithms for Biomedical Data Analysis	Operations Research	Systems Engineering and Design	D
Tolga	Tezcan	University of Rochester	0954126	CAREER: Robust Design and Control of Parallel Server Systems: Analysis via Augmented Fluid Models and Heavy-Traffic Asymptotic Regimes	Operations Research	Systems Engineering and Design	A



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

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

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Santosh	Pandey	Iowa State University	1000808	High-Resolution Electrical Sensing of Surface Charges and Currents of Living Cells	Sensors and Sensing Systems	Systems Engineering and Design	B
Shamim	Pakzad	Lehigh University	0926898	A Wirelessly Preemptive Sensing System for Quasi-Realtime Earthquake Monitoring of Bridges	Sensors and Sensing Systems	Systems Engineering and Design	C
Sibel	Pamukcu	Lehigh University	0855603	Wireless Signal Networks for Subsurface Modeling and Geo-Event Characterization	Sensors and Sensing Systems	Systems Engineering and Design	D
Shantanu	Chakrabartty	Michigan State University	0700632	A Sub-Microwatt Self-Powered Fatigue Sensor	Sensors and Sensing Systems	Systems Engineering and Design	A
Shantanu	Chakrabartty	Michigan State University	0954752	CAREER: Integrated Research and Education in Self-powered Micro-sensing for Embedded and Implantable Structural Health Monitoring	Sensors and Sensing Systems	Systems Engineering and Design	B
Chuji	Wang	Mississippi State University	0927539	A Multi-functional Fiber Optic Sensor Platform Using a Time Domain Sensing Scheme	Sensors and Sensing Systems	Systems Engineering and Design	C
Oluwaseyi	Balogun	Northwestern University	1031574	Surface Plasmon Photoacoustic Imaging of Subsurface Objects	Sensors and Sensing Systems	Systems Engineering and Design	D
Maurizio	Porfiri	Polytechnic University of New York	0926791	Little Eddies and Small Vibrations: Untapped Sources for Energy Harvesting in Aquatic Environments	Sensors and Sensing Systems	Systems Engineering and Design	A

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Gerard	Wysocki	Princeton University	0954897	CAREER: Coherent Mid-Infrared Molecular Dispersion Spectroscopy for Ultra-Sensitive Chemical Detection	Sensors and Sensing Systems	Systems Engineering and Design	B
Yong	Shi	Stevens Institute of Technology	0826418	NAFC Acoustic Emission Sensors for Real-time Monitoring of Structures	Sensors and Sensing Systems	Systems Engineering and Design	C
Yu	Ding	Texas Engineering Experiment Station	0540132	DDDAS - SMRP: A Framework For the Dynamic Data-Driven Fault Diagnosis of Wind Turbine Systems	Sensors and Sensing Systems	Systems Engineering and Design	D
Jiang	Zhe	University of Akron	0968736	A High Throughput Microfluidic Sensor for Real Time Health Monitoring of Rotating Machinery	Sensors and Sensing Systems	Systems Engineering and Design	A
John	Szivek	University of Arizona	0855493	SENSORS: In Vivo Joint Regeneration Monitoring System to be Able to Establish Rehabilitation Approaches during Healing	Sensors and Sensing Systems	Systems Engineering and Design	B
Po-Hao	Huang	University of Arkansas	0800718	Understanding Corrosion and Diffusion Behavior in Metal Particle Polymer Composites for Corrosion Sensing	Sensors and Sensing Systems	Systems Engineering and Design	C
Kenneth	Loh	University of California, Davis	1031754	Bio-Inspired Sensing using Optoelectronic Nanocomposites (BISON)	Sensors and Sensing Systems	Systems Engineering and Design	D

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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	A
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	B
Chengying	Xu	University of Central Florida	0927441	Micromachinable Polymer-Derived Ceramic Ultrahigh-Temperature Sensors	Sensors and Sensing Systems	Systems Engineering and Design	C
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	B
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	C

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Mahmoud	Almasri	University of Missouri, Columbia	0900727	MEMS Capacitive Plates with Large Tunable Dynamic Range for Voltage Conversion and Power Harvesting	Sensors and Sensing Systems	Systems Engineering and Design	D
Peng	Chen	University of Pittsburgh	0644681	CAREER: Multi-Functional, High-Sensitivity Optical Sensors in Microstructured Fibers	Sensors and Sensing Systems	Systems Engineering and Design	A
Lisa	Weiland	University of Pittsburgh	0652937	Enabling High Performance Miniature Ionometric Sensors	Sensors and Sensing Systems	Systems Engineering and Design	B
Yi	Jia	University of Puerto Rico, Mayaguez	0757486	Micro Passive Wireless Temperature Sensor For Bearing Health Monitoring in Harsh Environments	Sensors and Sensing Systems	Systems Engineering and Design	C
Byunggu	Yu	University of the District of Columbia	0940393	EAGER: Environmental Urban Runoff Monitoring	Sensors and Sensing Systems	Systems Engineering and Design	D
Ahalapitiya	Jayatissa	University of Toledo	0933069	Fundamental Investigation of Pulsed Laser Irradiation on Metal Oxide Gas Sensor Performance	Sensors and Sensing Systems	Systems Engineering and Design	A
I-Yeu	Shen	University of Washington	0826501	Performance Enhancement of PZT Thin-Film Microactuators via a Multi-Scale, Multi-Domain Design	Sensors and Sensing Systems	Systems Engineering and Design	B
I-Yeu	Shen	University of Washington	1030047	Bio-Inspired Inner-Ear Microphones via a Piezoelectric Substrate and Nanorods	Sensors and Sensing Systems	Systems Engineering and Design	C

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Anbo	Wang	Virginia Polytechnic Institute and State University	0427951	SIRG: Highly Multiplexed Optical Fiber Sensing Networks for Infrastructure Monitoring	Sensors and Sensing Systems	Systems Engineering and Design	D
Anbo	Wang	Virginia Polytechnic Institute and State University	0800267	Fully-Distributed Fiber-Optic Sensors for Pressure and Transverse Stress Measurement	Sensors and Sensing Systems	Systems Engineering and Design	A
Ward	Whitt	Columbia University	0948190	EAGER: Mathematical Models for Large-Scale Service Systems	Service Enterprise Systems	Systems Engineering and Design	B
Shane	Henderson	Cornell University	0758441	Approximate Dynamic Programming, Simulation Optimization, and Emergency Services	Service Enterprise Systems	Systems Engineering and Design	C
Shane	Henderson	Cornell University	0926814	Statistical Analysis of Emergency Services Data	Service Enterprise Systems	Systems Engineering and Design	D
Mark	Lewis	Cornell University	0826255	Upgrades, Reneging and Retrials: Advanced Dynamic Control of Service Systems	Service Enterprise Systems	Systems Engineering and Design	A
Huseyin	Topaloglu	Cornell University	0825004	Approximate Dynamic Programming for Perishable Asset Management with Applications in Dynamic Pricing, Capacity Allocation and Revenue Management	Service Enterprise Systems	Systems Engineering and Design	B
Huseyin	Topaloglu	Cornell University	0969113	A General Framework for Incorporating Choice Models into Operations Management Decisions	Service Enterprise Systems	Systems Engineering and Design	C

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Yusen	Xia	Georgia State University Research Foundation	0855037	Collaborative Research: The Nonatomic-Game Approach to Revenue Management Under Competition	Service Enterprise Systems	Systems Engineering and Design	D
Sigrun	Andradottir	Georgia Tech Research Corporation, Georgia Institute of Technology	0856600	Resource Flexibility for Uncertainty Mitigation in Production and Service Systems	Service Enterprise Systems	Systems Engineering and Design	A
Jiangang	Dai	Georgia Tech Research Corporation, Georgia Institute of Technology	0727400	Scalable Analysis for Customer Contact Centers	Service Enterprise Systems	Systems Engineering and Design	B
Ozlem	Ergun	Georgia Tech Research Corporation, Georgia Institute of Technology	1000085	Managing Debris Collection and Disposal Operations	Service Enterprise Systems	Systems Engineering and Design	C
Ozlem	Ergun	Georgia Tech Research Corporation, Georgia Institute of Technology	1034840	RAPID: Earthquake Debris Management in Haiti: Data-driven Decision-Support	Service Enterprise Systems	Systems Engineering and Design	D
Mark	Ferguson	Georgia Tech Research Corporation, Georgia Institute of Technology	0620763	Decision Support for Improved Financial and Environmental Performance of Product Leasing	Service Enterprise Systems	Systems Engineering and Design	A
Anton	Kleywegt	Georgia Tech Research Corporation, Georgia Institute of Technology	0700161	Collaborative Research: Model Accuracy and Learning in Revenue Management and Dynamic Pricing	Service Enterprise Systems	Systems Engineering and Design	B



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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	C
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	B
Aurelie	Thiele	Lehigh University	0757983	Robust Portfolio Management with Uncertain Compounded Rates of Return	Service Enterprise Systems	Systems Engineering and Design	C
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	B

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

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Ronald	Rardin	University of Arkansas	0813896	Collaborative Research: Optimization of Intensity Modulated Radiation Therapy with Time Varying Delivery Plans and Fraction Constraints	Service Enterprise Systems	Systems Engineering and Design	C
Ronald	Rardin	University of Arkansas	1026179	Workshop: Healthcare Systems Engineering Research and Education Leadership Workshop; University of Arkansas; Fayetteville, Arkansas; May 20-21, 2010	Service Enterprise Systems	Systems Engineering and Design	D
Samuel	Huang	University of Cincinnati	0825710	GOALI: Robust and Efficient Knowledge Discovery With Application in Gene Expression Based Diagnosis	Service Enterprise Systems	Systems Engineering and Design	A
Siriphong	Lawphongpanich	University of Florida	0653804	Pareto-Improving Road Pricing Schemes for Sustainable Mobility	Service Enterprise Systems	Systems Engineering and Design	B
Tito	Homem-de-Mello	University of Illinois, Chicago	1033048	Collaborative Research: Model Accuracy and Learning in Revenue Management and Dynamic Pricing	Service Enterprise Systems	Systems Engineering and Design	C
Liming	Feng	University of Illinois, Urbana-Champaign	0927367	Hilbert Transform Methods in Financial Engineering	Service Enterprise Systems	Systems Engineering and Design	D
Hari Jagannathan	Balasubramanian	University of Massachusetts, Amherst	1031550	Balancing Timely Access and Patient-Physician Continuity in Primary Care	Service Enterprise Systems	Systems Engineering and Design	A

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Xiuli	Chao	University of Michigan	0927631	Collaborative Research on Studies of Multichannel Opaque Service Enterprise	Service Enterprise Systems	Systems Engineering and Design	B
Saif	Benjaafar	University of Minnesota, Twin Cities	1012672	Symposium/Collaborative Research: Carbon Supply Chain: A New Frontier for Supply Chain Research; Arlington, Virginia; Fall 2010	Service Enterprise Systems	Systems Engineering and Design	C
William	Cooper	University of Minnesota, Twin Cities	0654362	Collaborative Research: Model Accuracy and Learning in Revenue Management and Dynamic Pricing	Service Enterprise Systems	Systems Engineering and Design	D
Nilay	Argon	University of North Carolina, Chapel Hill	0927607	Collaborative Research: Priority Dispatching of Patients in the Aftermath of a Mass-Casualty Event	Service Enterprise Systems	Systems Engineering and Design	A
Noah	Gans	University of Pennsylvania	0800645	Collaborative Research: Workforce Management in Labor-Intensive Service Operations	Service Enterprise Systems	Systems Engineering and Design	B
Andrew	Schaefer	University of Pittsburgh	0546960	CAREER: Next-Generation Research and Education in Therapeutic Optimization	Service Enterprise Systems	Systems Engineering and Design	C
Andrew	Schaefer	University of Pittsburgh	0826141	Optimizing Flu Shot Design Under Uncertainty	Service Enterprise Systems	Systems Engineering and Design	D

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

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<b>First Name</b>	<b>Last Name</b>	<b>Organization</b>	<b>Grant Number</b>	<b>Grant Title</b>	<b>Program Area</b>	<b>Cluster</b>	<b>Poster Group</b>
Shiyu	Zhou	University of Wisconsin, Madison	0757683	GOALI/Collaborative Research: Event-Log-Based Failure Prediction and Maintenance Service for After-Sales Engineering Systems	Service Enterprise Systems	Systems Engineering and Design	A
Douglas	Bish	Virginia Polytechnic Institute and State University	0825611	Evacuation Planning with Demand Management	Service Enterprise Systems	Systems Engineering and Design	B
Hanif	Sherali	Virginia Polytechnic Institute and State University	0754236	Integrated Operations Planning Models and Algorithms for the Airline Industry	Service Enterprise Systems	Systems Engineering and Design	C
Janet	Twomey	Wichita State University	0946342	EAGER: Energy Use in Healthcare Services	Service Enterprise Systems	Systems Engineering and Design	D