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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
Samir	Aouadi	Southern Ill U Carbondale	653986	Combinatorial Process Development for the Synthesis of Novel Nano-Textured and Ultra-Hard Films	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C1	A
Alan	Argento	University of Michigan-Dearborn	800254	GOALI: Impact Response and Failure of Bio-Composites	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C2	C
David	Arnold	University of Florida	556056	Magnetic Self-Assembly of Small Parts	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C3	D
Raymundo	Arroyave	Texas Engineering Exp Sta	758298	Collaborative Research: Solid-Liquid Interactions during Transient Liquid Phase Bonding	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C4	B
Lucien	Brush	U of Washington	827101	Collaborative Research: Dynamics and Stability of Metallic Foams: Network Modelling	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C5	E
Jian	Cao	Northwestern University	620972	GOALI/Collaborative Research: Integrated Sensing System for Stamping Monitoring and Control	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C6	A
Jian	Cao	Northwestern University	727843	Incremental Forming at Multi-Scales	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C7	C
Oana	Cazacu	University of Florida	800197	GOALI: Effects of Directional Hardening and Texture Evolution on Earing During Cup Drawing	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C8	D

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Jane	Chang	UCLA	758263	Synthesis of Multifunctional Metal Oxides by Radical Enhanced Atomic Layer Deposition	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C9	B
Peng	Chen	U of Pittsburgh	556086	GOALI: Fabrication of Three-Dimensional Chiral Photonic Circuits and Electro-Optical Devices in Silica Using Femtosecond Ultrafast Lasers	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C10	E
Gary	Cheng	Purdue University	802265	Laser Engineered Multilayer Bioactive Coatings with Hydroxyapatite Nano-Powders	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C11	A
Gary	Cheng	Purdue University	809463	CAREER: A Hybrid High Strain Rate Forming Process - Laser Dynamic Forming for Micro- and Meso- Scale 3D Shapes	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C12	C
Laura	Clarke	NC State University	829379	SGER: Utilizing Plasmon-Mediated Local Heating and Electromigration for Processing Nanocomposite Materials	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C13	D
Narendra	Dahotre	U of Tennessee Knoxville	825244	Laser-Assisted Rapid Surface Microstructuring of Alumina Ceramic	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C14	B
Virginia	Davis	Auburn University	707981	NER: Coupled Self-Assembly and Flow Alignment of Inorganic Nanorods	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C15	E

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Virginia	Davis	Auburn University	846629	CAREER: Microstructure and Processing of Cylindrical Nanomaterial Dispersions	COLLABORATIVE RESEARCH, MATERIALS PROCESSING AND MANFG		Advanced Manufacturing	C16	A
Lawrence	Drzal	Michigan State University	400296	PREMISE II: Design and Engineering of Green Composites From Biofibers and Bioplastics	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C17	C
Rebecca	Dupaix	Ohio State University	747252	CAREER: Integrated Approach to Modeling, Simulation, and Design for Manufacture of Micro-hot Embossing Using a Polymer Glass Transition Modeling Framework	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C18	D
John	DuPont	Lehigh University	758622	Design and Fabrication of Graded Materials with the Laser Engineered Net Shaping Process	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C19	B
LeAnn	Faidley	Iowa State University	800353	High-Performance Micro-Forming, Joining, and Punching Processes Enabled by a Novel Design and Control of Magnetostrictive Actuators	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C20	E
Nicholas	Fang	U of Ill Urbana-Champaign	709023	NER: Manufacturing of Superionic Active Metallic Nanostructures	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C21	A
Bakhtier	Farouk	Drexel University	423409	Atmospheric-Pressure Plasma Microdischarges for High-Rate Deposition	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C22	C

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Peter	Fedkiw	North Carolina State U	555959	GOALI: Lithium Alloy-Carbon Composite Nanofibers for Energy Storage by Electrospinning and Carbonization	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C23	D
Ellen	Fisher	Colorado State University	613653	Toward Fundamental Understanding: Correlating the Gas-Phase, Surface, and Gas-Surface Interface in Halogenated Plasma Systems	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C24	B
Robert	Gao	U of Connecticut	620957	GOALI/Collaborative Research: Integrated Sensing System for Stamping Monitoring and Control	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C25	E
Tushar	Ghosh	North Carolina State U	700700	GOALI: Design, Characterization and Processing of Carbon Nanofiber-Modified PVC as Fabric Sensor Composites for E-Textiles	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C26	A
Andreas	Glaeser	University of California, Berkeley	621193	Liquid-Film-Assisted Ceramic-Metal Bonding	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C27	C
Shaoqin	Gong	U of Wisconsin Milwaukee	544729	Study of Microcellular Injection Molding of Bio-based/Biodegradable Plastics	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C28	D
Shaoqin	Gong	U of Wisconsin Milwaukee	643923	CAREER: Sustainable and Eco-Friendly Biobased/Biodegradable Polymers	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C29	B

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Russell	Gorga	North Carolina State U	800237	A Mechanistic Understanding of the Process-Property Relationships in an Alternative Electrospinning Process	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C30	E
Olivia	Graeve	Alfred University	645225	CAREER: Scaled-Up Manufacturing of Nanostructured Refractory Ceramics for High-Temperature Applications	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C31	A
Samuel	Graham	GA Tech Res Corp - GIT	835484	SGER: Development of Thin Film Encapsulation Layers For Organic Electronics	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C32	C
Yuebin	Guo	U of Alabama Tuscaloosa	555269	Collaborative Research: Massive Parallel Laser Direct-Write of Sub-micron Dent Array for Quantum Leap of Fatigue Performance	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C33	D
Satyandra	Gupta	U of MD College Park	457058	Collaborative Research: Manufacturing of Mesoscopic 3D Articulated Devices Using Robomold Tooling	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C34	B
Rainer	Hebert	Univ of Connecticut	700377	Accumulative Roll-Bonding Processing of Bulk Nanocomposite Materials	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C35	E
Clifford	Henderson	GA Tech Res Corp - GIT	700760	Understanding and Exploiting the Transport Behavior of Polymers in Confined Geometries	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C36	A

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Amir	Hirsa	Rensselaer Polytech Inst	500408	Collaborative Research: Micro-Lenses for Manufacturing	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C37	C
John	Howell	U of Texas Austin	555275	Collaborative Research: Massive Parallel Laser Direct-Write of Sub-micron Dent Array for Quantum Leap of Fatigue Performance	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C38	D
Yinlun	Huang	Wayne State University	700178	Development of a Multiscale Modeling and Simulation Methodology for Predictive Paint Material Application in Automotive Coating	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C39	B
Yong	Huang	Clemson University	600551	Modeling the Formation of Highly Aligned Texture on the Inner Surface of Semi-Permeable Axonal Guidance Hollow Fiber Membranes	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C40	E
Jude	Iroh	U of Cincinnati	758656	Development of Chromate-Free Hybrid Nanocomposite Coatings for the Protection of Metals Against Corrosion	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C41	A
Avraam	Isayev	University of Akron	654326	Theoretical and Experimental Studies of Novel Process for Compounding of Carbon Nanotubes and Nanofibers in Polymer Melts	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C42	C
Sadhan	Jana	University of Akron	727231	GOALI/Collaborative Research: Processing of Self-assembled, Bottom-Up Polymeric Nanocomposite Materials	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C43	D

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Hanqing	Jiang	Arizona State University	824787	Collaborative Research: Manufacturing Deformable Energy Storage Devices from Carbon Nanotube Macro-Films	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C44	B
Harley	Johnson	U of Ill Urbana-Champaign	700704	Quantitative Model-Based Photoelastic Characterization of Wafer-Bonding Stresses: a Tool for Industry and Education	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C45	E
Surya	Kalidindi	Drexel University	654179	GOALI: Process Design Solutions for Textured Polycrystalline Cubic and Hexagonal Metals: Inverse Solution Methodologies and Experimental Validation	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C46	A
Byung	Kim	U of Massachusetts Amherst	620760	Collaborative Research: Variothermal Roll-to-Roll Embossing Process for Rapid and Precision Production of Large-Area Microstructures	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C47	C
Jin-Woo	Kim	U of Arkansas	709121	NER: Exploration of DNA-Based Nanoscale Building Block (DNAnBLOCK) for Controllable and Scalable Fabrication of Active Nanostructures	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C48	D

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Muammer	Koc	Virginia Commonwealth Univ	638522	GOALI: Development of a Thermo-Mechanical Particulate Fabrication Technology for Mass Production of Integrated Microstructured Porous Surfaces w/ Controlled Porosity	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C49	B
Muammer	Koc	Virginia Commonwealth Univ	703912	Collaborative Research: Warm Hydroforming of Lightweight Materials Using Selective Heating Strategies	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C50	E
Ranga	Komanduri	Oklahoma State University	457663	A Novel Approach for the Development of Accurate ab inito Potential Energy Surfaces for Atomistic Simulations of MEMS Applications	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C51	A
Radovan	Kovacevic	Southern Methodist Univ	621145	Tin Whiskers Mitigation Strategy through Composite Tin Plating with Ni-nanoparticles	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C52	C
Denise	Krol	U of Cal Davis	825572	Femtosecond-Laser Processing of Hybrid Micro- and Nano-Structures in Glass	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C53	D
Satish	Kumar	GA Tech Res Corp - GIT	826221	Polymeric Fibers Processed Using Carbon Nanotube Seed Crystals	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C54	B
Wei	Li	U of Washington	348767	CAREER: Fabrication of Hierarchically Structured Open Cell Porous Polymers for Biomedical Applications	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C55	E

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Don	Lucca	Oklahoma State University	521989	Collaborative Research: Atomic Plane Electrical Contacts	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C56	A
Cheng	Luo	U of Texas Arlington	811888	Theoretical, Numerical and Experimental Studies of an Intermediate-Layer Lithography Approach	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C57	C
Bhaskar	Majumdar	NM Inst of Mining & Tech	709506	NER: Nanostructured Adaptive Solder for Microelectronic Packaging	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C58	D
Chuanbin	Mao	U of Oklahoma	709287	NER: Building Biomimetic Nano-Tracks and Transporters on Target-Recognizing Filamentous Viruses	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C59	B
Lealon	Martin	Rensselaer Polytechnic Institute	600317	Advancing the Engineering Design of Bionanocomposites with Controlled Properties	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C60	E
David	Matlock	Colorado School of Mines	729114	GOALI/AHSS/Collaborative Research: Sheet Formability and Springback of Advanced High Strength Steels	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C61	A
Wen	Meng	La St U & A&M Coll	556100	Fabrication of and Thermal Testing in Enclosed Metal Microchannels	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C62	C
Michael	Miles	Brigham Young University	834729	SGER: Friction Bit Joining - A New Solid State Spot Joining Process	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C63	D

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Devesh	Misra	Univ of Louisiana at Lafay	757799	Phase-Reversion Induced Nanometer-Sized Grains in Materials	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C64	B
Brian	Mitchell	Tulane University	726943	New Surface Chemistries and Process Innovations in the Production of Surface Functionalized Semiconductor Nanoparticles	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C65	E
K.	Morsi	San Diego State Univ Fdn	826532	Novel Current-Activated Tip-based Sintering (CATS)	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C66	A
Kwabena	Narh	NJIT	708500	NER: Improving the Dispersion of Carbon Nanotubes in a Carbon Nanotube-Reinforced Polymer Composite by Dry-Coating	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C67	C
Kwabena	Narh	NJIT	802947	SGER: Investigating the Use of Cryogenic Ball-Milling to Deagglomerate Highly Clustered Carbon Nanotubes	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C68	D
Gracious	Ngaile	North Carolina State U	448885	CAREER: Meso and Macro Hydroforming of Complex Shapes - Mechanics and Control	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C69	B
Eugene	Olevsky	San Diego State Univ Fdn	354857	Net-Shape Manufacturing of Powder Components by Electrophoretic Deposition and Sintering	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C70	E

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Eugene	Olevsky	San Diego State Univ Fdn	758232	Theory of Spark-Plasma Sintering	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C71	A
Sunggook	Park	La St U & A&M Coll	643455	CAREER: 3-D Integration of Nanostructures into Bioanalytic Devices	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C72	C
Frank	Pfefferkorn	U of Wisconsin Madison	824879	GOALI: Enabling Friction Stir Welding in Unstructured Environments Through Process Identification and Shared Control	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C73	D
Afsaneh	Rabiei	North Carolina State University	238929	CAREER: Processing and Development of a New Ultra-Light High-Strength Material	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C74	B
Afsaneh	Rabiei	North Carolina State University	600596	Processing and Characterization of Functionally Graded Coatings for Bio-Medical Implants	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C75	E
Sanjay	Sampath	SUNY Stony Brook	605704	GOALI/FRG: Science and Technology of Thermal Sprayed Interfaces and Layered Structures	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C76	A
Christopher	Schuh	MIT	620304	Processing of Functionally Graded Nanocrystalline Alloys	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C77	C
James	Sherwood	Univ of Mass Lowell	522923	Linking Process-Induced Properties to Thermoplastic-Matrix Woven-Fabric Composites Performance	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C78	D

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Albert	Shih	University of Michigan	700617	GOALI: Friction Stir Alloying and Additive Processes	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C79	B
Meisha	Shofner	GA Tech Res Corp - GIT	800019	Processing of Tensegrity-Inspired Nanocomposites	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C80	E
Douglas	Smith	U of Missouri Columbia	522694	Incorporating Higher Order Tensors in the Computation of Polymer Composite Mechanical Properties	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C81	A
Douglas	Smith	U of Missouri Columbia	727399	Phenomenological-Based Constitutive Model and Simulation of Fiber Interaction for Short Fiber Composite Processing	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C82	C
Lia	Stanciu	Purdue University	758584	Processing of Ternary High Temperature Ceramic Composites With Enhanced Properties	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C83	D
Paul	Steen	Cornell University	726813	Collaborative Research: Manipulating the Contacting and Solidification of Molten Metal in Continuous Casting	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C84	B
Shuichi	Takayama	University of Michigan	700232	Fracture Fabrication of Micro/Nano Patterned Microspheres	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C85	E
Brian	Thomas	U of Ill Urbana-Champaign	500453	GOALI: Online Dynamic Control of Cooling in Continuous Casting of Thin Steel Slabs	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C86	A

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Kevin	Trumble	Purdue University	800481	High-Strength Nanostructured Alloys via Novel Machining Processes	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C87	C
Igor	Tsukrov	U of New Hampshire	644705	CAREER: Development of Hyperplastic and Superplastic Microforming Processes and Related Educational Activities	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C88	D
Igor	Tsukrov	U of New Hampshire	654124	GOALI: Exploitation of an Experimentally Characterized Stress Based Failure Criterion to Advance Sheet Metal Forming	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C89	B
Jay	Tu	North Carolina State U	738044	SGER: Synergistic and Inherently Stable Laser/Plasma-Jet Welding Processes: Proof of Concept	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C90	E
David	Van Aken	Missouri University of Science and Technology	726888	(AHSS):Development of Nano-acicular Duplex Steels	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C91	A
Robert	Wagoner	Ohio State University	727641	GOALI/AHSS/Collaborative Research: Sheet Formability and Springback of Advanced High Strength Steels	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C92	C
Jyhwen	Wang	Texas Engineering Exp Sta	448789	CAREER: Research and Education on Deformation of Coated Materials	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C93	D
Jyhwen	Wang	Texas Engineering Exp Sta	825986	Hydroforming of Sandwich Panels	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C94	B

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Q. Jane	Wang	Northwestern University	457520	GOALI: Tooling-Workpiece Interface Understanding and Modeling Towards Concurrent Stamping Engineering	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C95	E
Bingqing	Wei	University of Delaware	824790	Collaborative Research: Manufacturing Deformable Energy Storage Devices from Carbon Nanotube Macro-Films	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C96	A
Mei	Wei	Univ of Connecticut	500269	Collaborative Research: A Novel Approach to Improve the Interfacial Strength of Hydroxyapatite Coated Implants for Orthopedic and Dental Applications	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C97	C
Robert	Weiss	Univ of Connecticut	727545	Manufacture of Controlled Microstructure Proton Exchange Membranes	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C98	D
Colin	Wolden	Colorado School of Mines	826323	High Throughput Manufacturing of Nanolaminates	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C99	B
C.	Wong	GA Tech Res Corp - GIT	621115	Fundamental Understanding of Nanofiller Dispersion in Polymer Systems for Electronics Applications	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C100	E
Shing-Chung	Wong	University of Akron	746703	CAREER: Electrospinning-Enabled Bio-Inspired Materials Research and Education	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C101	A

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Donggang	Yao	GA Tech Res Corp - GIT	503138	CAREER: Rapid Production of Plastic Microstructures	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C102	C
Donggang	Yao	GA Tech Res Corp - GIT	620668	Collaborative Research: Variothermal Roll-to-Roll Embossing Process for Rapid and Precision Production of Large-Area Microstructures	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C103	D
Donggang	Yao	GA Tech Res Corp - GIT	826259	Precision Microprofile Extrusion with a Wall Slip Condition	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C104	B
Y. Lawrence	Yao	Columbia University	620741	Laser Peen Bending: Simultaneous Shaping and Property Enhancement	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C105	E
Allen	Yi	Ohio State University	547311	CAREER: Economically Feasible Net Shape Manufacturing of Macro and Micro Glass Optics	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C106	A
John	Yu	Ohio State University	600060	Acousto-Plastic Deformation of Metal by Nonlinear Stress Waves	Materials Processing & Manufacturing (MPM)	1467	Advanced Manufacturing	C107	C
A.K.	Balaji	The University of Utah	522947	Friction in Machining: An Integrated Coatings, Topology and Lubrication Study	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C127	A

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Amit	Bandyopadhyay	Washington State Univ	728348	Porous Nitinol for Load Bearing Implants Using Rapid Prototyping	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C128	C
Ashraf	Bastawros	Iowa State University	654162	Collaborative Research: Focused Electric Field Induced Ion Transport: A Patterning Process	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C129	D
Jack	Beuth	Carnegie Mellon University	700538	GOALI/Collaborative Research: A Modeling Base for Process Development of Electron Beam Manufacturing	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C130	B
David	Bourell	U of Texas Austin	522176	Support-Free Infiltration of Selective Laser Sintered (SLS) Non-Metallic Preforms	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C131	E
Satish	Bukkapatnam	Oklahoma State University	830023	SGER: Sequential Bayesian Decision Making for End-Point Detection and Control in Chemical Mechanical Planarization (CMP) Processes	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C132	A
Jian	Cao	Northwestern University	810959	Workshop/Collaborative Research: 2008 NSF CAREER Proposal Writing Workshop; March 27 and 28, 2008; Northwestern University; Evanston, Illinois	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C133	C

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Abhijit	Chandra	Iowa State University	640826	SGER/Collaborative Reseach: Multiscale Modeling: Finding Strengths, Avoiding Weaknesses	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C134	D
Srinivasan	Chandrasekar	Purdue University	654250	GOALI: Micro/Meso Scale Characterization of Interface Phenomena in Environmentally Clean Machining	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C135	B
Kevin	Chou	U of Alabama Tuscaloosa	728228	Nano-Diamond Coated Cutting Tools: Modeling Tool Geometry Effects	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C136	E
Joseph	Davidson	Arizona State University	700878	Manufacturing Maps: A New Math Model for 3-D Tolerance Analyses in Process Planning, CMM Inspection and Statistical Process Control	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C137	A
Richard	DeVor	U of Ill Urbana-Champaign	654374	Atomization-Based Approach to Cutting Fluid Application in Micro-Machining	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C138	C
David	Dornfeld	U of Cal Berkeley	621198	Cleanability of Mechanical Components	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C139	D

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Thomas	Dow	North Carolina State U	556209	LAT - Live Axis Turning	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C140	B
Thomas	Dow	North Carolina State U	800560	Material Effects and Tool Wear in Vibration-Assisted Machining	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C141	E
Paul	Funkenbusch	University of Rochester	522723	Surface Structure Control for Precision Grinding Tools	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C142	A
Robert	Gao	U of Connecticut	428366	SST/Collaborative Research: Self-Powered Wireless Sensor Array for Pressure, Volume, and Temperature Monitoring of Injection Molding	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C143	C
Ramana	Grandhi	Wright State University	758539	Simulation of Coil Wedge Effects in Sheet Rolling	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C144	D
Yuebin	Guo	U of Alabama Tuscaloosa	447452	CAREER: A Fundamental Study on Hard Turning - Prediction and Synthesis of Surface Integrity and Component Life	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C145	B

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Yuebin	Guo	U of Alabama Tuscaloosa	825780	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 & Equipment (MCME)	1468	Advanced Manufacturing	C146	E
Yong	Huang	Clemson University	747959	CAREER: Understanding Process-Induced Damage in Laser-Assisted Cell Direct Writing - Bridging Manufacturing Science and Biomedical Research	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C147	A
Robert	Jerard	U of New Hampshire	620996	Dynamic Calibration of a Smart Machining System Using Robust Non-Intrusive Sensors	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C148	C
Harley	Johnson	U of Ill Urbana-Champaign	700045	Collaborative Research: Focused Electric Field Induced Ion Transport: A Patterning Process	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C149	D
Shiv	Kapoor	U of Ill Urbana-Champaign	523034	Machinability of Carbon Nanotube Composites	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C150	B
Ashok	Kumar	U of South Florida	727320	Study of Reliability and Modeling for Process Optimization and Yield Improvements in Chemical Mechanical Planarization	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C151	E

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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
Shuting	Lei	Kansas State University	826015	Collaborative Research: Mathematical Modeling and Experimental Study of Femtosecond Laser Machining of High Aspect Ratio Microstructures	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C152	A
Xiaochun	Li	U of Wisconsin Madison	824713	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 & Equipment (MCME)	1468	Advanced Manufacturing	C153	C
Jon	Longtin	SUNY Stony Brook	428708	SST: Enabling Concepts in Embedded Sensors, Sensor Manufacturing and Integration	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C154	D
Don	Lucca	Oklahoma State University	529085	Sensors: Synthesis of Active Quantum Dot Infra-Red (IR) Sensors	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C155	B
Viswanathan	Madhavan	Wichita State University	621174	Collaborative Research: Experimental and Numerical Investigation and Improved Modeling of the Cutting Edge Contribution in Metal Cutting	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C156	E
Laine	Mears	Clemson Univ Res Fdn	800507	Machining Accuracy Improvement Through Visual Control of an Active Display	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C157	A

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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
Pal	Molian	Iowa State University	619115	Microfabrication and Manufacture of 3C-SiC MEMS Pressures Sensors for Harsh Environments	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C158	C
Brigid	Mullany	U of NC Charlotte	620783	GOALI: Exploring the Potential of Fluorescent Materials to Detect Subsurface Damage (SSD) and Plastic Deformation Induced by Polishing Processes	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C159	D
Brigid	Mullany	U of NC Charlotte	747637	CAREER: An Innovative Look at Precision Polishing Dynamics	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C160	B
Roger	Narayan	U of NC Chapel Hill	547491	CAREER: Laser Processing of Microstructured Medical Devices	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C161	E
Roger	Narayan	U of NC Chapel Hill	800811	Laser Rapid Prototyping of Patient-Specific Ossicular Replacement Prostheses	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C162	A
Anthony	Okafor	Missouri University of Science and Technology	800871	Development of Virtual CNC Machine Tools and Web-Based Machining Process Simulation and Learning	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C163	C

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Burak	Ozdoganlar	Carnegie Mellon University	547534	CAREER: Mechanics and Dynamics of Micromachining	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C164	D
Burak	Ozdoganlar	Carnegie Mellon University	728157	Fabrication of Single-Crystal Diamond Micro-Endmills for Micromachining Applications	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C165	B
Tugrul	Ozel	Rutgers Univ New Brunswick	758220	Collaborative Research: Improving Machinability of Titanium Alloys using Physics-Based Simulation Modeling	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C166	E
John	Patten	Western Michigan Univ	757339	Micro Laser Assisted Machining of Semiconductors and Ceramics	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C167	A
Zhijian	Pei	Kansas State University	348290	CAREER: Fundamental Research on Silicon Wafer Fine Grinding to Foster a Quantum Leap in Manufacturing of Silicon Wafers	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C168	C
Zhijian	Pei	Kansas State University	521203	Innovative Laser-Based Techniques for Characterization of Subsurface Cracks in Semiconductor Wafers	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C169	D

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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
Zhijian	Pei	Kansas State University	836610	SGER: Exploratory Research on Solid Carriers for Manufacturing Algae Biofuels in the Ocean	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C170	B
Frank	Pfefferkorn	U of Wisconsin Madison	700794	Collaborative Research: Multi-Scale Experiments and Modeling of Nanocrystalline Diamond Coatings for Dry Machining	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C171	E
Tony	Schmitz	University of Florida	238019	CAREER: Internet Tool for High-speed Machining Parameter Selection by Receptance Coupling Substructure Analysis	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C172	A
Tony	Schmitz	University of Florida	555645	Periodic Error Elimination Through New Displacement Measuring Interferometer Design	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C173	C
Tony	Schmitz	University of Florida	642569	SGER/Collaborative Research: Applying Decision Theory to Machining Optimization	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C174	D
Julie	Schoenung	University of California at Davis	423695	A Fundamental Investigation of the Laser Engineered Net Shaping Process for the Fabrication of Nanostructured Cermets	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C175	B

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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
Albert	Shih	University of Michigan	422947	GOALI/Collaborative Research: Minimum Quantity Lubrication (MQL) Grinding Using Nanofluids	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C176	E
Albert	Shih	University of Michigan	620756	Tissue Machining - A Novel Surgical Thermal Management System (STMS)	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C177	A
Albert	Shih	University of Michigan	825795	Collaborative Research: Tissue Cutting Mechanics - Investigation of the Effective and Minimally Invasive Biopsy	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C178	C
Yung	Shin	Purdue University	653578	Pico-Second Laser Micro Hole Drilling of Ceramics and Ceramic Matrix Composites	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C179	D
James	Smay	Oklahoma State University	448702	CAREER: Solid Freeform Fabrication of Multi-Material Functional Devices using Colloidal Inks	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C180	B
K. Scott	Smith	U of NC Charlotte	800433	GOALI/Collaborative Research: Deformation Machining - A New Hybrid Process	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C181	E

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I. Charles	Ume	GA Tech Res Corp - GIT	653730	Laser Ultrasound Inspection System for Quality Evaluation of Emerging Complex Packaged Electronic Devices	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C182	A
Roshan	Vengazhiyil	GA Tech Res Corp - GIT	654369	An Engineering-Statistical Approach to Predictive Modeling and Robust Optimization with Applications to Machining	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C183	C
Wilbert	Wilhelm	Texas Engineering Exp Sta	529026	Sensors: Strategic Design and Tactical Operation of Surveillance Sensor Systems for Ports and Waterway Security	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C184	D
Benxin	Wu	Illinois Inst of Tech	826184	Collaborative Research: Mathematical Modeling and Experimental Study of Femtosecond Laser Machining of High Aspect Ratio Microstructures	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C185	B
Donggang	Yao	GA Tech Res Corp - GIT	800016	GOALI/Collaborative Research: Design and Manufacturing of Bioactive Surgical Fixation Devices Using Injection Molding of Gradient Cellular Structures	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C186	E
Yong-Kyu	Yoon	SUNY Buffalo	826434	Exploration of Multidirectional 3-D UV Lithography for Advanced Microfabrication	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C187	A

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YuMing	Zhang	U of Kentucky Res Fdn	527889	Sensors: Measurement of Dynamic Weld Pool Surface	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C188	C
YuMing	Zhang	U of Kentucky Res Fdn	726123	Measurement and Control of Dynamic Weld Pool Surface in Gas Metal Arc Welding	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C189	D
YuMing	Zhang	U of Kentucky Res Fdn	825956	Control of Metal Transfer at Given Arc Variables	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C190	B
Jack	Zhou	Drexel University	700139	Collaborative Research: Electrowetting Micro Array Printing System for Bioactive Tissue Construct Manufacturing	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C191	E
Jack	Zhou	Drexel University	800735	GOALI/Collaborative Research: Design and Manufacturing of Bioactive Surgical Fixation Devices Using Injection Molding of Gradient Cellular Structures	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C192	A
David	Bourell	U of Texas Austin	906212	Workshop: Roadmap for Additive Manufacturing (RAM): Identifying the Future of Freeform Processing; Arlington, Virginia; March 30-31, 2009	Manufacturing and Construction Machines & Equipment (MCME)	1468	Advanced Manufacturing	C193	C

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Jane	Ammons	GA Tech Res Corp - GIT	620191	Recycling/Reuse Systems - Network Growth and Persistence	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C203	A
Daniel	Apley	Northwestern University	758557	A Bayesian Treatment of Uncertainty in Simulation-Based Methods for Enhancing Process and Product Robustness	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C204	C
Daniel	Apley	Northwestern University	826081	Collaborative Research: Blind Discovery of Variation Sources for Visualization by Multidisciplinary Teams	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C205	D
Volodymyr	Babich	University of Michigan	800158	Supply Risk Management and Asymmetric Information	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C206	B
Michael	Ball	U of MD College Park	540312	DDDAS-SMRP: Dynamic Real-Time Order Promising and Fulfillment for Global Make-to-Order Supply Chains	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C207	E
Satish	Bukkapatnam	Oklahoma State University	729552	GOALI: Real-time Performance Prediction of Multi-Stage Manufacturing Systems using Nonlinear Stochastic Differential Equation Models	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C208	A
Dariusz	Ceglarek	U of Wisconsin Madison	529327	SST/GOALI/Collaborative Research: Multi-Sensor Planning, Integration, and Analysis for Dimensional Quality Control of Complex Manufacturing Processes	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C209	C

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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
Xiuli	Chao	University of Michigan	800004	Collaborative Research on Risk Management in Supply Chains Using Market Information	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C210	D
Yu	Ding	Texas Engineering Exp Sta	348150	CAREER: Collaborative Information Processing of Distributed Sensor Networks for Manufacturing Quality Improvement	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C211	B
Yu	Ding	Texas Engineering Exp Sta	727305	Collaborative Research: Fault Tolerance Analysis and Design of Clustered Sensor Networks	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C212	E
Feryal	Erhun	Stanford University	400345	Collaborative Research: Intra- and Inter-Enterprise Collaborative Procurement	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C213	A
Feryal	Erhun	Stanford University	547021	CAREER: Moving from Risks to Opportunities: An Exploratory Study of Risk Management in Supply Chains	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C214	C
Esma	Gel	Arizona State University	654258	GOALI/Collaborative Research: Matching Demand and Supply Through Price	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C215	D
Joseph	Hartman	University of Florida	813671	Equipment Replacement Under Continuous and Discontinuous Technological Change	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C216	B
S. Jack	Hu	University of Michigan	825438	GOALI: Modeling Product Variety Induced Manufacturing Complexity for Assembly System Design	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C217	E

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Myong K.	Jeong	Rutgers Univ New Brunswick	853894	CAREER: Process Monitoring, Identification, and Diagnosis Using Image and Functional Data	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C218	A
Jionghua (Judy)	Jin	University of Michigan	541750	Engineering-Driven Wavelet Analysis of Cyclic Functional Data for Multiple Embedded Operations Diagnosis	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C219	C
Jionghua (Judy)	Jin	University of Michigan	549306	PECASE: A Unified Methodology for Variation Management and Reduction in Multistage Manufacturing Processes	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C220	D
Sagar	Kamarthi	Northeastern University	700664	Product Monitoring for Holistic Lifecycle Management via Embedded Sensors	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C221	B
Pinar	Keskinocak	Georgia Tech	400301	Collaborative Research: Intra- and Inter-Enterprise Collaborative Procurement	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C222	E
Pinar	Keskinocak	Georgia Tech	654275	GOALI/Collaborative Research: Matching Demand and Supply Through Price	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C223	A
Diego	Klabjan	Northwestern University	752726	Approximate Dynamic Programming in Complex Multi-Echelon Inventory and Production Systems	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C224	C
Ananth	Krishnamurthy	U of Wisconsin Madison	840811	i-PICS: Integration of Advance Demand Information with Pull-Type Production Control Systems	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C225	D

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Ananth	Krishnamurthy	U of Wisconsin Madison	848756	Conceptualization Tools for Unit Load Warehouse Design Based on Autonomous Vehicle Technology	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C226	B
Simge	Kucukyavuz	U of Arizona	824480	Mixed-Integer Optimization for Multi-Item Multi-Echelon Production and Distribution Planning	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C227	E
Way	Kuo	U of Tennessee Knoxville	654290	Collaborative Research: Modeling Reliability for Scale-Driven Degradation and Spatial Defects	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C228	A
Yue	Kuo	Texas Engineering Exp Sta	654172	Collaborative Research: Modeling Reliability for Scale-Driven Degradation and Spatial Defects	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C229	C
Jing	Li	Arizona State University	825827	Regression-based Quality Improvement in Complex Systems with Consideration of Data Uncertaintly	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C230	D
Jingshan	Li	University of Kentucky Research Foundation	727691	GOALI: Quality Analysis in Flexible Manufacturing Systems: A Systems Approach	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C231	B
Xiaochun	Li	U of Wisconsin Madison	529361	SIRG/Collaborative Research: Distributed Subwavelength Micro Photonic Sensors for In-situ Monitoring with High Spatial and Temporal Resolution in Manufacturing Environments	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C232	E

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Haitao	Liao	U of Tennessee Knoxville	855812	Collaborative Research: Design of Equivalent Accelerated Life Testing Plans Involving Single or Multiple Stresses	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C233	A
Vadim	Linetsky	Northwestern University	654043	GOALI: Modeling and Managing Customer Default Risk in a Manufacturing Enterprise	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C234	C
Leon	McGinnis	GA Tech Res Corp - GIT	742759	Collaborative Research: Developing an Engineering Virtual Organization for Discrete-Event Logistics Systems	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C235	D
Semyon	Meerkov	University of Michigan	758259	GOALI: Transients of Production Systems: Theory and Applications for Real-Time Productivity Improvement	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C236	B
Russell	Meller	U of Arkansas	610135	GOALI: A Sequence-Pair and MIP-Based Facility Layout Algorithm	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C237	E
Kumar	Muthuraman	U of Texas Austin	822377	Computational Methods for Multi-Product Stochastic Inventory Control	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C238	A
Harriet	Nembhard	PA St U University Park	800122	Integrating Experimental Design and Reliability for Multiple Stage Manufacturing of Multi-Scale Devices	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C239	C
Jun	Ni	University of Michigan	825789	Short-Term Joint Maintenance and Production Decision Support Tool of Manufacturing Systems	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C240	D

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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
Rong	Pan	Arizona State University	654417	Modeling and Analysis of Profiled Reliability Tests Using Computation-Intensive Statistical Methods	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C241	B
Xiaoping	Qian	Illinois Inst of Tech	529165	SST/GOALI/Collaborative Research: Multi-Sensor Planning, Integration, and Analysis for Dimensional Quality Control of Complex Manufacturing Processes	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C242	E
Spiridon	Reveliotis	GA Tech Res Corp - GIT	619978	Efficient Learning Algorithms for Problems with Acyclic State Spaces and their Application to Reverse Logistics	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C243	A
George	Runger	Arizona State University	743160	SGER: Feature Selection with Ensembles for Complex Systems	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C244	C
Romesh	Saigal	University of Michigan	833839	SGER: Pricing and Managing Risks in Global Manufacturing Enterprise	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C245	D
Sridhar	Seshadri	New York University	800628	Collaborative Research on Risk Management in Supply Chains Using Market Information	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C246	B
Zuo-Jun	Shen	U of Cal Berkeley	621433	CAREER: Designing Integrated Supply Chain Systems and Practical Market Mechanisms	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C247	E
Zuo-Jun	Shen	U of Cal Berkeley	727640	Collaborative Research: Purchasing and Inventory Management in Disrupted Supply Chains: The Reverse Bullwhip Effect	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C248	A

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Lawrence	Snyder	Lehigh University	522725	Modeling and Mitigating Supply Chain Vulnerabilities	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C249	C
Lawrence	Snyder	Lehigh University	726822	Collaborative Research: Purchasing and Inventory Management in Disrupted Supply Chains: The Reverse Bullwhip Effect	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C250	D
Aurelie	Thiele	Lehigh University	540143	DDDAS-SMRP: Robustness and Performance in Data-Driven Revenue Management	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C251	B
Beril	Toktay	GA Tech Res Corp - GIT	522557	Enterprise Strategies for Remanufacturing in the Presence of Competition and Environmental Regulation	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C252	E
Reha	Uzsoy	North Carolina State U	809056	GOALI: Incorporating Nonlinear Phenomena into Production Planning Models	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C253	A
Mark	Van Oyen	University of Michigan	542063	Collaborative Research: A Design Methodology for Operational Flexibility	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C254	C
Roshan	Vengazhiyil	GA Tech Res Corp - GIT	448774	CAREER: Design and Analysis of Experiments for Developing Robust Products and Processes	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C256	D
Jian	Yang	NJIT	652942	Inventory Management under Fluctuating Raw Material Prices	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C257	B
Yao	Zhao	Rutgers U Newark	747779	CAREER: Project-Driven Supply Chains (PDSCs) -- Integrating Supply Chain Planning With Project Management	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C258	E

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Shiyu	Zhou	U of Wisconsin Madison	545600	CAREER: Multilevel Self-Improving Variation Modeling and Diagnosis for Complex Manufacturing Processes	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C259	A
Jaime	Camelio	Virginia Polytechnic Institute and State Univeristy	918055	EAGER: A Self-Healing Approach for Smart Assembly Systems	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C260	C
Subhash	Sarin	Virginia Polytechnic Institute and State University	856270	Novel Modeling and Analytical Approaches for Primary Pharmaceutical Manufacturing Scheduling and Related Problems	Manufacturing Enterprise Systems (MES)	1786	Advanced Manufacturing	C261	D
Arvind	Agarwal	Florida International Univ	547178	CAREER: Near Net Shape Consolidation of Bulk Nanocomposites by Plasma Spray Forming	NanoManufacturing (NM)	1788	Advanced Manufacturing	C271	A
Sarit	Bhaduri	University of Toledo	753479	Processing and Evaluation of HA Nanocomposites	NanoManufacturing (NM)	1788	Advanced Manufacturing	C272	C
Shekhar	Bhansali	U of South Florida	700659	Nanoengineered, Manufacturable, Ion-Implantation Seeded Silica Nanowires for Sensitive BioScreening	NanoManufacturing (NM)	1788	Advanced Manufacturing	C273	D
Robert	Carpick	U of Pennsylvania	826076	Collaborative Research: Nanoscale Interdisciplinary Team Research on Understanding and Overcoming Atomic-Level Wear in Tip-Based Nanomanufacturing	NanoManufacturing (NM)	1788	Advanced Manufacturing	C274	B

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Jian	Chen	U of Wisconsin Milwaukee	620338	Nanoengineering Stable Carbon Nanotube Aerogels	NanoManufacturing (NM)	1788	Advanced Manufacturing	C275	E
Julie	Chen	Univ of Mass Lowell	738253	Industrial Safety of Nanoheaters	NanoManufacturing (NM)	1788	Advanced Manufacturing	C276	A
Peng	Chen	U of Pittsburgh	826289	Nuclear Nano-Engineering	NanoManufacturing (NM)	1788	Advanced Manufacturing	C277	C
Jeffrey	Derby	U of Minnesota-Twin Cities	726958	Employing Convective Assembly for Micro-/Nano-Fabrication of Colloidal Crystals	NanoManufacturing (NM)	1788	Advanced Manufacturing	C278	D
Fiona	Doyle	U of Cal Berkeley	555921	Development of Microfluidic Reactor for Continuous Production of Monosized Nanocrystals	NanoManufacturing (NM)	1788	Advanced Manufacturing	C279	B
Hongyou	Fan	University of New Mexico	625897	NSF/Sandia/Collaborative Research: Hybrid Integration of Nano-Scale Quantum Dots with Micron-Scale Photonic Crystal Cavities for Infrared Sensors	NanoManufacturing (NM)	1788	Advanced Manufacturing	C280	E
James	Fitz-Gerald	University of Virginia	422632	Laser-Assisted Deposition of Polymer-Matrix Nanocomposites: A Combined Experimental and Computational Study	NanoManufacturing (NM)	1788	Advanced Manufacturing	C281	A
James	Fitz-Gerald	University of Virginia	800786	Synthesis of Metallic and Multi-Component Nanoparticles from Metallo-Organic Precursors in Matrix-Assisted Laser Ablation	NanoManufacturing (NM)	1788	Advanced Manufacturing	C282	C

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Hernando	Garcia	Southern Ill U Edwardsvill	757547	Collaborative Research: Novel 3D Nanocomposites for Optical and Solar Applications: A First Principles Approach to Cost-Effective Design, Nanomanufacturing and Characterization.	NanoManufacturing (NM)	1788	Advanced Manufacturing	C283	D
Michael	Gevelber	Boston University	826106	Real-Time Control for Engineering Electrospun Nanofiber Diameter Distributions for Advanced Applications	NanoManufacturing (NM)	1788	Advanced Manufacturing	C284	B
Jihua (Jan)	Gou	University of Central Florida	757302	Collaborative Research: Development of Multifunctional Nanocomposites with Engineered Carbon Nanopaper	NanoManufacturing (NM)	1788	Advanced Manufacturing	C285	E
David	Gracias	Johns Hopkins University	448816	CAREER: A Research and Education Program in Surface Tension Driven Fluidic Assembly of Functional Nano-Scale Components	NanoManufacturing (NM)	1788	Advanced Manufacturing	C286	A
Joanna	Groza	U of Cal Davis	523063	GOALI: Rapid Sintering to Manufacture Fully Dense and Bioactive Nanoscrystalline Hydroxyapatite	NanoManufacturing (NM)	1788	Advanced Manufacturing	C287	C
Jaime	Grunlan	Texas Engineering Exp Sta	644055	CAREER: Tailoring Nanoparticle Microstructure Using Stimuli-Responsive Polymers	NanoManufacturing (NM)	1788	Advanced Manufacturing	C288	D

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Lingjie	Guo	University of Michigan	700718	Developing Roll-to-Roll Nanoimprint Lithography as a Viable Nanomanufacturing Technology	NanoManufacturing (NM)	1788	Advanced Manufacturing	C289	B
Yuebin	Guo	U of Alabama Tuscaloosa	700468	Fabrication, Property and Function of the Nanostructured Surface Barrier for Hydrogen Storage	NanoManufacturing (NM)	1788	Advanced Manufacturing	C290	E
Carol	Handwerker	Purdue University	727960	GOALI: Nanoparticle-Enabled Printing of Large-Area Electronic Hierarchical Systems	NanoManufacturing (NM)	1788	Advanced Manufacturing	C291	A
Anastasios John	Hart	University of Michigan	800213	Limiting Growth Mechanisms and Continuous Manufacturing of Aligned Carbon Nanotube Films	NanoManufacturing (NM)	1788	Advanced Manufacturing	C292	C
Jeffrey	Hastings	Univerisity of Kentucky	609241	NIRT/GOALI - An Electron-Beam Based Microscale Nano-Manufacturing Platform with 1-nm Accuracy	NanoManufacturing (NM)	1788	Advanced Manufacturing	C293	D
Jeffrey	Hastings	Univerisity of Kentucky	800658	Tip Directed-Assembly of Nanoparticles via Surface-Plasmon Excitation	NanoManufacturing (NM)	1788	Advanced Manufacturing	C294	B
Juan	Hinestroza	Cornell University State	644612	CAREER: Exploring the Use of Induced Negative Viscosities as a New Degree of Freedom in Polymer NanoManufacturing	NanoManufacturing (NM)	1788	Advanced Manufacturing	C295	E
John	Howell	U of Texas Austin	600104	Surface Plasmon-Assisted Nanolithography	NanoManufacturing (NM)	1788	Advanced Manufacturing	C296	A

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Peisen	Huang	SUNY Stony Brook	800212	SGER: High-Resolution 3-D Surface Topography Measurement Using a Scanning Electron Microscope	NanoManufacturing (NM)	1788	Advanced Manufacturing	C297	C
M. Saif	Islam	U of Cal Davis	547679	CAREER: Massively Parallel and Manufacturable Self-Assembly Techniques for Interfacing and Integrating Nanowires in Devices and Circuits	NanoManufacturing (NM)	1788	Advanced Manufacturing	C298	D
Heiko	Jacobs	U of Minnesota-Twin Cities	556161	Gas Phase NanoWire Integration Process	NanoManufacturing (NM)	1788	Advanced Manufacturing	C299	B
Heiko	Jacobs	U of Minnesota-Twin Cities	621137	GOALI: Nanowire Integration Process to Gain Control over Location, Dimension, and Orientation	NanoManufacturing (NM)	1788	Advanced Manufacturing	C300	E
Heiko	Jacobs	U of Minnesota-Twin Cities	755995	Gas Phase Nanoxerographic Nanomaterial Integration	NanoManufacturing (NM)	1788	Advanced Manufacturing	C301	A
Nader	Jalili	Clemson University	238987	CAREER: A Mechatronic-based Research and Educational Framework for Next Generation Actuators and Sensors Comprised of Functional Nanotube Composites	NanoManufacturing (NM)	1788	Advanced Manufacturing	C302	C
Ali	Javey	U of Cal Berkeley	826145	Nanoscale and Deterministic Doping of Semiconductors Via Molecular Monolayers	NanoManufacturing (NM)	1788	Advanced Manufacturing	C303	D

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Giri	Joshi	Boston College	833084	SGER/Collaborative Research in Low-Cost Manufacturing of High Performance Thermoelectric Nanocomposites	NanoManufacturing (NM)	1788	Advanced Manufacturing	C304	B
Ramki	Kalyanaraman	U of Tennessee Knoxville	851597	CAREER: Fundamental Studies of Directed Assembly Leading to Innovative Processing of Controlled Thin Film Nanostructures	NanoManufacturing (NM)	1788	Advanced Manufacturing	C305	E
MinJun	Kim	Drexel University	745019	CAREER: The Integration of Biomolecular Motors for Bacterial Actuation, Sensing, and Transport (BAST) at Micro/Nanoscale	NanoManufacturing (NM)	1788	Advanced Manufacturing	C306	A
Kam	Leang	University of Nevada, Reno	910570	A Novel Multifunctional SPM Probe with Modular Quick-Change Tips for Fully Automated Probe-Based Nanomanufacturing	NanoManufacturing (NM)	1788	Advanced Manufacturing	C307	C
Hao	Li	U of Missouri Columbia	620906	Large Scale Synthesis of Horizontally Aligned SiC Nanowires for Devices	NanoManufacturing (NM)	1788	Advanced Manufacturing	C308	D
Wei	Li	U of Washington	728287	GOALI/Collaborative Research: Fabrication of Multifunctional Nanofoams from Polymer Nanocomposites	NanoManufacturing (NM)	1788	Advanced Manufacturing	C309	B
Xiaodong	Li	USC Research Foundation	653651	Synthesis of Necklace-Shaped Boron and Boride Nanowires for Polymer Nanocomposite Applications	NanoManufacturing (NM)	1788	Advanced Manufacturing	C310	E

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Yuankun	Lin	U of Texas Pan American	609345	NIRT: 3D Hierarchical Nanomanufacturing for Active Photonics-on-chip	NanoManufacturing (NM)	1788	Advanced Manufacturing	C311	A
Kathy	Lu	VA Polytechnic Inst & St U	824741	Template-Assisted Nanoparticle Processing	NanoManufacturing (NM)	1788	Advanced Manufacturing	C312	C
Yongfeng	Lu	U of Nebraska-Lincoln	555884	Self-Aligned Nanomanufacturing of Carbon Nanotubes for Nanoelectronics	NanoManufacturing (NM)	1788	Advanced Manufacturing	C313	D
Roya	Maboudian	U of Cal Berkeley	825531	Graphene on Heterepitaxial Silicon Carbide - Steps towards a Manufacturable Process	NanoManufacturing (NM)	1788	Advanced Manufacturing	C314	B
Manish	Mehta	NCMS	802026	2008 U.S. Nanotechnology Commercialization Status Study	NanoManufacturing (NM)	1788	Advanced Manufacturing	C315	E
Sergiy	Minko	Clarkson University	825832	Collaborative Research: Forests of Magnetic Nanofibers for Liquid Transport and Manipulation	NanoManufacturing (NM)	1788	Advanced Manufacturing	C316	A
Roger	Narayan	U of NC Chapel Hill	835577	SGER: Fabrication of Nanoporous Membranes for Enhanced Treatment of End-Stage Renal Disease	NanoManufacturing (NM)	1788	Advanced Manufacturing	C317	C
Teri	Odom	Northwestern University	826219	Large-area Chemical, Biological, and Materials NanoManufacturing	NanoManufacturing (NM)	1788	Advanced Manufacturing	C318	D
Burak	Ozdoganlar	Carnegie Mellon University	602401	Feasibility of a Novel Three-Dimensional Nano-Manufacturing Technique: Nanomilling	NanoManufacturing (NM)	1788	Advanced Manufacturing	C319	B

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Cengiz	Ozkan	U of Cal Riverside	800680	Highthroughput Assembly of Nanowires, Nanotubes and Nanodevices on Silicon Platforms for Massively Parallel Nanoelectronics	NanoManufacturing (NM)	1788	Advanced Manufacturing	C320	E
Laxman	Saggere	U of Illinois Chicago	800741	Chipscale Multifinger Coordinated Manipulation Methodology for Nanomanufacturing	NanoManufacturing (NM)	1788	Advanced Manufacturing	C321	A
Srinivasa	Salapaka	U of Ill Urbana-Champaign	800863	A Configurable Platform for Multicantilever High-Throughput Nanoscale Metrology and Manufacturing	NanoManufacturing (NM)	1788	Advanced Manufacturing	C322	C
Vesselin	Shanov	U of Cincinnati	727250	Nanomanufacturing and Production Scale-up of Long Carbon Nanotube Arrays for Advanced Applications	NanoManufacturing (NM)	1788	Advanced Manufacturing	C323	D
Gangbing	Song	U of Houston	620897	Collaborative Research: Development of Multifunctional Nanocomposites with Engineered Carbon Nanopaper	NanoManufacturing (NM)	1788	Advanced Manufacturing	C324	B
Mohan	Srinivasarao	GA Tech Res Corp - GIT	600600	GOALI: Nano-Structuring of Silicon Surfaces: A Low Cost Route to Manufacturing Silicon Solar cells	NanoManufacturing (NM)	1788	Advanced Manufacturing	C325	E
Li	Sun	U of Houston	800886	Surface-Functionalization of Carbon Nanofiber Sheets by Electrochemical Synthesis for Large-scale Engineering Applications	NanoManufacturing (NM)	1788	Advanced Manufacturing	C326	A

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Curtis	Taylor	University of Florida	600511	GOALI: Mechanically Biased Self-Assembly of 2-D and 3-D Quantum Structures Using a Novel Nanostamping Process	NanoManufacturing (NM)	1788	Advanced Manufacturing	C327	C
David	Tomasko	Ohio State University	620911	Scalable Nanomanufacturing of High Performance Polymer Foams	NanoManufacturing (NM)	1788	Advanced Manufacturing	C328	D
Bingqing	Wei	University of Delaware	753462	Design, Assembly and Electrochemical Characterization of Asymmetric Carbon Nanotube Supercapacitors	NanoManufacturing (NM)	1788	Advanced Manufacturing	C329	B
Thomas	Weller	U of South Florida	728073	GOALI: Functional Magnetic Polymer Nanocomposite Films for Tunable RD Device Applications	NanoManufacturing (NM)	1788	Advanced Manufacturing	C330	E
Terry	Xu	U of NC Charlotte	748090	CAREER: Boron-based One-dimensional Nanostructures of Thermoelectric Energy Conversion	NanoManufacturing (NM)	1788	Advanced Manufacturing	C331	A
Xianfan	Xu	Purdue University	456809	Development of an Optical-based, Low-cost, Parallel Nano-manufacturing Technique	NanoManufacturing (NM)	1788	Advanced Manufacturing	C332	C
Xiang	Zhang	U of Cal Berkeley	751621	NSEC: Center for Scalable and Integrated Nanomanufacturing (SINAM)	NanoManufacturing (NM)	1788	Advanced Manufacturing	C333	D
Xiaojing (John)	Zhang	U of Texas Austin	826366	Plasmonic Nanofocusing Scanning Probe for Controlled Nanomanufacturing	NanoManufacturing (NM)	1788	Advanced Manufacturing	C334	B

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Xin	Zhang	Boston University	239163	CAREER: Creating Nanostructured Gratings on Microstructures for Residual Strain/Stress Measurement in NEMS/MEMS and Traction Force Measurement in Cells	NanoManufacturing (NM)	1788	Advanced Manufacturing	C335	E
Yiping	Zhao	U of Georgia Res Fdn Inc	726770	Designing Catalytic Nanomotors	NanoManufacturing (NM)	1788	Advanced Manufacturing	C336	A
Weihong (Katie)	Zhong	Washington State Univ	758251	GOALI/Collaborative Research: Fabrication of Multifunctional Nanofoams from Polymer Nanocomposites	NanoManufacturing (NM)	1788	Advanced Manufacturing	C337	C
Weidong	Zhou	U of Texas Arlington	625728	NSF/Sandia/Collaborative Research: Hybrid Integration of Nano-Scale Quantum Dots with Micron-Scale Photonic Crystal Cavities for Infrared Sensors	NanoManufacturing (NM)	1788	Advanced Manufacturing	C338	D
Lesley	Berhan	University of Toledo	728109	Toward Negative Poisson's Ratio Composites - Numerical and Experimental Study	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E1	A
Wei	Cai	Stanford University	547681	CAREER: Bridging Defect Models and Micro-Deformation Experiments	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E2	C
Xi	Chen	Columbia University	643726	CAREER: The Science Underpinning Mechanical Self-Assembly	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E3	D

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Huajian	Gao	Brown University	758535	Competing Grain-Interior and Grain-Boundary Deformation Mechanisms in Nanocrystalline Materials and Thin Films	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E4	B
Yanfei	Gao	University of Tennessee Knoxville	800168	Scale-Dependent Crystal Plasticity and Nanoindentation-Induced Dislocation Microstructure	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E5	E
Warren	Garrison	Carnegie Mellon University	726949	AHSS: A Study of the Effects of Microstructure on the Mechanical Properties and Failure Mechanisms of Advanced High Strength Steels	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E6	A
Somnath	Ghosh	Ohio State University	728203	Collaborative Research: Integrated Computational System for Probability Based Multi-Scale Model (PMM) of Ductile Fracture in Lightweight Alloys	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E7	C
Cornelius	Horgan	University of Virginia	754704	Nonlinear Mechanics of Strain-Stiffening Elastomers and Biomaterials	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E8	D
Rui	Huang	U of Texas Austin	547409	CAREER: Research and Education on Evolving Surface Patterns in Thin Films	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E9	B
John	Hutchinson	Harvard University	736019	SGER: Formation and Evolution of Localized Structures	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E10	E

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Hanqing	Jiang	Arizona State University	700440	Mechanics of Stretchable Electronics	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E11	A
Surya	Kalidindi	Drexel University	727931	AHSS: Development of Novel Finite Element Simulation Tools that Implement Crystal Plasticity Constitutive Theories Using an Efficient Spectral Framework	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E12	C
Hongbing	Lu	Oklahoma State University	653970	Collaborative Research: Synthesis, Characterization, Modelling and Simulation of Polymer Nanoencapsulated Aerogels	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E13	D
Arif	Masud	U of Ill Urbana-Champaign	800208	A Computational/Experimental Multiscale Approach to the Analysis of Structures Containing Mechanical Joints	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E14	B
David	McDowell	GA Tech Res Corp - GIT	758265	Multiresolution, Coarse-Grained Modeling of 3D Dislocation Nucleation and Migration	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E15	E
Thao	Nguyen	Johns Hopkins University	758390	Investigating the Molecular Mechanisms of Thermally Active Amorphous Shape Memory Polymers	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E16	A

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Anh-Vu	Phan	U of South Alabama	653796	Collaborative Research: Interactions between a Propagating Matrix Crack and Inclusions in Particulate Composites: Experiments and Modeling	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E17	C
Pedro	Ponte Castaneda	U of Pennsylvania	654063	Finite-Strain, Constitutive Models for Semi-Crystalline Polymers	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E18	D
Ryszard	Pryputniewicz	Worcester Polytech Inst	826293	International Symposium to Commemorate the 60th Anniversary for the Invention of Holography	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E19	B
Jianmin	Qu	GA Tech Res Corp - GIT	726286	An Electrochemomechanical Theory and Its Application to Solid Oxide Fuel Cells	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E20	E
Pradeep	Sharma	U of Houston	826153	Size-Dependent Super-Piezoelectricity in Nanostructures	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E21	A
Suresh	Sitaraman	GA Tech Res Corp - GIT	800037	Non-Contact Experimental Technique to Characterize Interfacial Crack Propagation in Nano-Scale and Micro-Scale Thin Films	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E22	C
Alejandro	Strachan	Purdue University	826356	Cyber-Enabled Predictive Models for Polymer Nanocomposites: Multiresolution Simulations and Experiments	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E23	D

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Natarajan	Sukumar	U of Cal Davis	626481	Information-Theoretic Meshfree Approximation Schemes in Solid Mechanics	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E24	B
Christos	Takoudis	U of Illinois Chicago	609377	NIRT: Active Multiferroic Nanostructures	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E25	E
Hareesh	Tippur	Auburn University	653816	Collaborative Research: Interactions between a Propagating Matrix Crack and Inclusions in Particulate Composites: Experiments and Modeling	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E26	A
Dallas	Trinkle	U of Ill Urbana-Champaign	825961	GOALI: Modeling Solute Effects in Magnesium Alloys: First-principles to Predictive Finite-Element	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E27	C
Semyon	Vaynman	Northwestern University	826535	Design and Development of Body-Centered Cubic Alloys with Increased Strength and Toughness for Infrastructural and Structural Applications	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E28	D
Joost	Vlassak	Harvard University	556169	The mechanical behavior of hybrid organic/inorganic structures for flexible electronics	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E29	B
Paul	Voyles	U of Wisconsin Madison	824719	Nanoscale Mechanics of Bulk Amorphous Metals	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E30	E

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Q. Jane	Wang	Northwestern University	510895	Metal-Organic Precursors for High-Temperature Lubrication	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E31	A
Min-Feng	Yu	U of Ill Urbana-Champaign	726878	Scale Effect in Nanoscale Mechanical Resonance System	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E32	C
Xiaoyi	Wu	U of Arizona	856215	Assembly Mechanism of Recombinant Proteins	Mechanics of Materials (MOM)	1630	Mechanics and Engineering Materials	E33	D
Ian	Baker	Dartmouth College	651642	A Microstructural Study of Wear Mechanisms in Nanocrystalline Metals	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E37	A
Robert	Carpick	U of Pennsylvania	800154	Collaborative Research: Dissipation in Atomic-Scale Friction - A Coordinated Experimental and Modeling Study	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E38	C
Ioannis	Chasiotis	U of Ill Urbana-Champaign	748120	CAREER: Nanoscale Confinement in Polymers: Integrated Research and Education in Nanoscale Experimental Mechanics	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E39	D
Youping	Chen	University of Florida	824688	Towards Multiscale Mechanical Design of Hierarchical Cellular Materials	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E40	B

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Cristian	Ciobanu	Colorado School of Mines	825592	Collaborative Research: Structure and Morphology of Graphene Sheets for Carbon-Based Nanoelectronics	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E41	E
Itai	Cohen	Cornell University	726773	Modeling Atomic and Nano Scale Lubrication Phenomena Using Sheared Colloidal Suspensions	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E42	A
Michael	Falk	Johns Hopkins University	510163	Fundamental Simulation Studies of Mixing at Sliding Interfaces	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E43	C
Joelle	Frechette	Johns Hopkins University	748094	CAREER: Engineering Surface Interactions to Modulate a Confined Fluid	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E44	D
Elizabeth	Friis	University of Kansas	600555	Collaborative Research: Design, Assembly, and Characterization of Metal-Ceramic Composite Reentrant Structures	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E45	B
Daniel	Gall	Rensselaer Polytechnic Institute	653843	Self-Lubricating Nanoporous Hard Coatings	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E46	E
Di	Gao	U of Pittsburgh	626045	Design and Development of Super Water- and Oil-Repellent Surfaces by Topographic Manipulation	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E47	A

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Xin-Lin	Gao	Texas Engineering Exp Sta	626150	GOALI/Collaborative Research: Ceramic Nanoparticle Reinforced Aluminum Matrix Composites: An Integrated Processing, Characterization and Modeling Approach	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E48	C
Philippe	Geubelle	U of Ill Urbana-Champaign	527965	Multiscale Experimental and Numerical Design of a Self-Healing Epoxy Adhesive	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E49	D
Somnath	Ghosh	Ohio State University	800587	Integrated Experimental-Computational Modeling of Deformation and Fatigue in Advanced Structural Materials	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E50	B
Rachel	Goldman	University of Michigan	700301	Ion-Cut-Synthesis for Materials Integration	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E51	E
Michael	Graham	Northwestern University	700865	Second Generation Photocatalysts: TiO2-Based Nanocomposites by dc Reactive Sputtering	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E52	A
Nikhil	Gupta	Polytechnic Univ of NY	726723	Development of a Novel Functionally Gradient Composite Material	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E53	C
C. Fred	Higgs III	Carnegie Mellon University	645124	CAREER: A Research and Education Program for Studying Particulate-based Tribosystems in Nanotechnology	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E54	D

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Anand	Jagota	Lehigh University	527785	GOALI: Biomimetic Design of Fibrillar Interfaces for Adhesion, Tribology, and other Surface Properties	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E55	B
Shaoyi	Jiang	U of Washington	758358	Molecular Engineering of Low Friction and Biocompatible Surfaces	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E56	E
Harley	Johnson	U of Ill Urbana-Champaign	510624	Atomistic Origins of Ion Bombardment Nanoscale Surface Instability	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E57	A
Harley	Johnson	U of Ill Urbana-Champaign	825173	Bridging Time Scales with a Unit Process Approach for Modeling Ion Interactions with Materials	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E58	C
Nikhil	Koratkar	Rensselaer Polytech Inst	347604	CAREER: Advanced Nanostructured Damping Materials	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E59	D
Nikhil	Koratkar	Rensselaer Polytech Inst	653589	Fundamental Study of Photo-Thermo-Mechanical Actuation in Carbon Nanotubes and their Composites	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E60	B
Konstantin	Kornev	Clemson University	826067	Design and Surface Engineering of Nanofiber-based Probes	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E61	E
Marisol	Koslowski	Purdue University	825994	Microstructural Evolution of Molecular Crystals	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E62	A

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Deyu	Li	Vanderbilt University	800306	Collaborative Research: Novel Boron-based One-Dimensional Nanostructures: Synthesis and Measurement of Transport Properties	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E63	C
Ju	Li	U of Pennsylvania	728069	AHSS: Multi-scale Modeling of Deformation Mechanism for Design of New Generation of Steels	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E64	D
Hong	Liang	Texas Engineering Exp Sta	535578	CAREER: Integrated Research and Education in Multi-scale Chemical-Mechanical Manipulation and Nanofabrication	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E65	B
Hongbing	Lu	Oklahoma State University	555902	Collaborative Research: A Nanoparticle Embedment Method to Determine Surface and Interface Properties of Viscoelastic Liquids and Solids	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E66	E
Yan-Yeung	Luk	Syracuse University	727491	Porous Multi-Functional Interfaces for Controlling Biofoulings	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E67	A
Antoinette	Maniatty	Rensselaer Polytech Inst	502891	NSF-Europe Materials Collaboration: Strength and Formability of Fine Grain Size Al-Mg Alloys	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E68	C
Gary	Michal	Case Western Reserve University	727583	AHSS Through Paraequilibrium Carbon Partitioning and Austenite Stabilization	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E69	D

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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
Suzanne	Mohney	PA St U University Park	800619	Nanoengineering Electrodes for Reliable Microelectromechanical Ohmic Contact Switches	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E70	B
Harold	Park	U of Colorado Boulder	750395	CAREER: Multiscale Design of the Coupled Optomechanical Properties of Silicon Nanowires	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E71	E
Dong	Qian	U of Cincinnati	700107	Collaborative Research: An Integrated Study of Conformational States in Low-Dimensional Carbon Nanostructures	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E72	A
Dacheng	Ren	Syracuse University	826288	Collaborative Research: Investigating Bacteria-Surface Interactions by Surface Engineering and Mathematical Modeling	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E73	C
Marina	Ruths	Univ of Mass Lowell	645065	CAREER: Adhesion and Friction in Multi-Asperity Contacts	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E74	D
Caroline	Schauer	Drexel University	804543	GOALI: Mechanically Robust Structural Color System Based on Biomimetic Principles	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E75	B
Vivek	Shenoy	Brown University	825771	Collaborative Research: Structure and Morphology of Graphene Sheets for Carbon-Based Nanoelectronics	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E76	E

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Sindee	Simon	Texas Tech University	826437	Matrix Confinement Effects in Composites and Nanocomposites: Experiments and Molecular Modeling	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E77	A
James	Smay	Oklahoma State University	600682	Collaborative Research: Design, Assembly, and Characterization of Metal-Ceramic Composite Reentrant Structures	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E78	C
Nancy	Sottos	U of Ill Urbana-Champaign	726742	GOALI: Dynamic Adhesive Failure of Patterned Thin Films	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E79	D
Izabela	Szlufarska	U of Wisconsin Madison	747661	CAREER: Molecular Basis for Viscoelastic Response on Nano-Mechanical Biosensors	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E80	B
Li	Tan	U of Nebraska-Lincoln	825905	Self-Organized Nanolayers for Organic Thin-Film Transistors	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E81	E
Rodney	Trice	Purdue University	726304	Design and Manufacture of Ultra-High Temperature Ceramics with Oriented Strengthening and Toughening Phases	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E82	A
Wilfred	Tysoe	U of Wisconsin Milwaukee	826151	Understanding the Frictional Properties of Boundary Films	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E83	C

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T.	Venkatesh	SUNY Stony Brook	836575	Fatigue Response of Nanostructured Metallic Materials	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E84	D
Alex	Volinsky	U of South Florida	600266	Experimental and Computational Investigation of Fracture Patterns in Thin Films and Multilayers	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E85	B
Mark	Walter	Ohio State University	825558	GOALI: Electrode Interface Stresses, Degradation, and Failure	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E86	E
Chunlei	Wang	Florida International Univ	800525	Surace Engineered Carbon Electrodes for Biosensor Arrays	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E87	A
Junlan	Wang	University of Washington	747295	CAREER: Experimental Investigation of Mechanical Properties of Nanoporous Thin Films	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E88	C
C.	Wong	GA Tech Res Corp - GIT	800849	Fundamental Understanding of Enhanced Thermal Transport at Aligned Carbon Nanotube/Substrate Interfaces	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E89	D
Zhenhai	Xia	University of Akron	825990	Integrated Studies of Interfaces in Nanocomposites and Nanoimprinting	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E90	B
Sulin	Zhang	PA St U University Park	754463	CAREER: Multiscale Modeling of Nanoparticle-Cell Interactions	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E91	E

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Sulin	Zhang	PA St U University Park	826841	Multiscale Coarse-Grained Modeling with Experimental Verification of DNA-Carbon Nanotube Complexes	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E92	A
Xin	Zhang	Boston University	700688	Mechanical Behavior of Amorphous Plasma-Enhanced Chemical Vapor Deposited Silicon Oxide Films for MEMS Applications	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E93	C
Yu	Zhang	New York University	758530	Fatigue Behavior of Functionally Graded Ceramics+ Synthesis, Experiments, and Analysis	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E94	D
Guangwen	Zhou	SUNY Binghamton	825737	Probing Nanoscale Oxidation Mechanism of Metals under Applied Stress	Materials and Surface Engineering (MSE)	1633	Mechanics and Engineering Materials	E95	B
Jose	Andrade	Northwestern University	726908	Collaborative Research: Characterization of Random Fields and their Impact on the Mechanics of Geosystems at Multiple Scales	GeoMechanics & GeoTechnical Systems (GGS)	1634	Mechanics and Engineering Materials	E112	A
Jack	Baker	Stanford University	727121	Collaborative Research: Characterization of Random Fields and their Impact on the Mechanics of Geosystems at Multiple Scales	GeoMechanics & GeoTechnical Systems (GGS)	1634	Mechanics and Engineering Materials	E113	C

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Sookie	Bang	SD Sch of Mines and Tech	725398	Microbial Dust Suppression	GeoMechanics & GeoTechnical Systems (GGS)	1634	Mechanics and Engineering Materials	E114	D
Amy	Cerato	U of Oklahoma	746980	CAREER: The Role of Specific Surface Area and Cation Exchange Capacity in Understanding and Predicting Expansive Soil Behavior	GeoMechanics & GeoTechnical Systems (GGS)	1634	Mechanics and Engineering Materials	E115	B
Jason	DeJong	U of Cal Davis	727463	Bio-Mediated Improvement of Soil and Soil-Structure Interface Behavior	GeoMechanics & GeoTechnical Systems (GGS)	1634	Mechanics and Engineering Materials	E116	E
Joseph	Dove	VA Polytechnic Inst & St U	726488	Applying Insights from Biosilicification Processes to Ground Treatment: A Bio-Inspired Approach for Geoengineering	GeoMechanics & GeoTechnical Systems (GGS)	1634	Mechanics and Engineering Materials	E117	A
Richard	Finno	Northwestern University	219123	Collaborative Research: A Joint NU-UIUC Project for the Development of New Integrated Tools for Predicting, Monitoring and Controlling Ground Movements due to Excavations	GeoMechanics & GeoTechnical Systems (GGS)	1634	Mechanics and Engineering Materials	E118	C
James	Hanson	Cal Poly St University Fdn	830897	USUCGER Workshop 2008: Research and Education Priorities for the Geotechnical Engineering Community; Sacramento, California; May 15, 2008	GeoMechanics & GeoTechnical Systems (GGS)	1634	Mechanics and Engineering Materials	E119	D

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Dinesh	Katti	North Dakota State U Fargo	556020	Modeling Effect of Molecular Interactions on Evolution of Microstructure and Swelling and Swelling Pressure Responses in Montmorillonite Expansive Clays	GeoMechanics & GeoTechnical Systems (GGS)	1634	Mechanics and Engineering Materials	E120	B
Joseph	Labuz	University of Minnesota	825454	Progressive Failure of Slopes and Excavations as Fracture Problems	GeoMechanics & GeoTechnical Systems (GGS)	1634	Mechanics and Engineering Materials	E121	E
Marwan	Al-Haik	University of New Mexico	800249	Novel Structural Composites Using Surface Grown Carbon Nanotubes	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E132	A
John	Bolander	U of Cal Davis	625593	Collaborative Research: An Integrated Microstructure-Based Approach to Property Prediction for Cement-Based Materials	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E133	C
Jo	Daniel	U of New Hampshire	348249	CAREER: Relating Fundamental Viscoelastic Material Properties and Strengths Measured Using Various Testing Geometries	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E134	D
Sherif	El-Tawil	University of Michigan	754505	Characterizing High-Strain-Rate Response of Cementitious Composites Using a Novel Strain-Energy-Based Impact Test System	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E135	B

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Nabil	Grace	Lawrence Technolog Univ	408593	Innovative CFRP Prestressed Concrete Box-Beam Bridge System	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E136	E
Zachary	Grasley	Texas Engineering Exp Sta	727143	Viscoelastic Cementitious Composites for Controlled Damping of Civil Infrastructure	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E137	A
Nathaniel	Hager	Elizabethtown College	700699	Monitoring of Hydration in Cement Systems by Broadband Time-Domain-Reflectometry Dielectric Spectroscopy	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E138	C
Will	Hansen	University of Michigan	510854	Multi-Scale Kinetics-Based Model for Predicting Mechanical Property Development of Concrete Containing Supplementary Cementitious Materials	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E139	D
Yick	Hsuan	Drexel University	825195	Depletion Mechanisms of Antioxidants in Polyethylene-Clay Nanocomposites	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E140	B
Tara	Hutchinson	University of California San Diego	729357	Development of Concrete Damage-Flow Rate Correlation using Integrated Structural Testing and X-Ray Tomography	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E141	E
Amit	Kanvinde	U of Cal Davis	825155	Collaborative Research: Multi-Scale Simulation of Low-Triaxiality Fracture and Ultra Low Cycle Fatigue in Steel Structures	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E142	A

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Yong-Rak	Kim	U of Nebraska-Lincoln	644618	CAREER: Research and Education on Advanced Multiscale Modeling-Analysis of Roadway Materials, Mixtures, and Infrastructure Systems	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E143	C
Chad	Korach	SUNY-Stony Brook	626025	Degradation at the Fiber-Matrix Interphase and Effects on Long-Term Performance of Composites	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E144	D
Kimberly	Kurtis	GA Tech Res Corp - GIT	825373	Understanding the Structure and Durability of Nano-Anatase TiO2 Cement-Based Materials	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E145	B
Eric	Landis	University of Maine	625030	Collaborative Research: An Integrated Microstructure-Based Approach to Property Prediction for Cement-Based Materials	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E146	E
Valeria	LaSaponara	University of California-Davis	621696	Analysis, Manufacturing, and Mechanical Testing of Stitched Sandwich Composites	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E147	A
Maria del Mar	Lopez de Murphy	PA St U University Park	826461	High Temperature and Sustained Load Effects on Structural Bonded Repairs in Civil Infrastructure	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E148	C
Laura	Lowes	U of Washington	409945	An X-Ray Tomography Investigation of Bond in Reinforced Concrete	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E149	D

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Narayanan	Neithalath	Clarkson University	747897	CAREER: Linking Pore Structure, Performance, and Material Design of a Sustainable Macroporous Concrete for Multifunctional Applications	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E150	B
Esther	Obonyo	University of Florida	844612	SGER: Optimizing the Hygrothermal Performance of Earth Bricks in Hot and Humid Climates	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E151	E
Glaucio	Paulino	U of Ill Urbana-Champaign	800805	Functionally Graded Concrete for The Civil Infrastructure - A Multifunctional Material System Approach	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E152	A
Kara	Peters	North Carolina State U	825709	Self-Healing Sandwich Composites	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E153	C
Florence	Sanchez	Vanderbilt University	547024	CAREER: An Integrated Research and Education Program in Long-Term Durability of Nano-Structured Cement-Based Materials during Environmental Weathering	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E154	D
John	Shaw	University of Michigan	727331	Shape Memory Alloy Cables	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E155	B

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Kolluru	Subramaniam	CUNY City College	238692	CAREER: Model-Based Microstructure Evaluation of Hydrating Cementitous Materials: Development of a Test System and Experimental Investigation	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E156	E
Kolluru	Subramaniam	CUNY City College	800307	Continuously Graded Cementitious Material for Blast Protection of Structures	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E157	A
Lizhi	Sun	Univ of California Irvine	800417	Magnetic-Field-Dependent Dynamic Mechanical Behavior of Carbon Nanotube Reinforced Magnetostrictive Nanocomposites: An Integrated Experimental and Modeling Study	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E158	C
Rafiqul	Tarefder	University of New Mexico	644047	CAREER: Characterization and Modeling of Asphalt Concrete for Moisture-Induced Damage	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E159	D
Nasim	Uddin	U of Alabama Birmingham	825938	Composite Structural Insulated Panels (CSIPs) for Hazard Resistant Structures	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E160	B
Amit	Varma	Purdue University	825506	Collaborative Research: Structural Mechanics of Steel Columns and Beam-Columns Under Fire Loading	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E161	E
Linbing	Wang	VA Polytechnic Inst & St U	625927	Unified Approach for Multiscale Characterization, Modeling, and Simulation for Stone-based Infrastructure Materials	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E162	A

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Yunping	Xi	U of Colorado Boulder	727749	Penetration of Multi-Components De-icing Salts in Non-Saturated Concrete	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E163	C
Zhanping	You	Mich Technological Univ	701264	A Microstructure-Based Modeling Approach to Characterize Asphalt Materials	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E164	D
Xiong	Yu	Case Western Reserve	700524	Dielectric and Mechanical Spectra Assisted Multi-Scale Study of Early Stage Concrete	Structural Materials and Mechanics (SMM)	1635	Mechanics and Engineering Materials	E165	B
Nathan	Sniadecki	University of Washington	846780	CAREER: Mechanics of Vascular Smooth Muscle Cell Contraction - Subcellular Structure-Function Relationships	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E187	A
James	Batteas	Texas A&M Research Fdn	825977	Probing the Role of Surface Defects and Disorder on the Tribology of Nanoscopic Contacts	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E188	C
Srinivasan	Chandrasekar	Purdue University	626047	Collaborative Research: Nanostructured Alloys With Unprecedented Properties	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E189	D
Traian	Dumitrica	U of Minnesota-Twin Cities	747684	CAREER: Nanomechanics from First principles: A Symmetry-Adapted Methodology	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E190	B
Jiyu	Fang	U of Central Florida	726478	Nanomechanics of Self-Assembled Lipid Tubules	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E191	E

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Katharine	Flores	Ohio State University	826077	Collaborative Research: Micro- and Nano-Scale Characterization and Modeling of Bone Tissue	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E192	A
Yuan-Cheng	Fung	U of Cal San Diego	626438	The Constitutive Equation of the Tissue Remodeling of Blood Vessels	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E193	C
Guy	Genin	Washington University in St. Louis	826518	Collaborative Research: Membrane Nanodomains--Prediction and Detection	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E194	D
William	Goddard III	California Inst of Technology	727870	First Principles Based Computational Framework to Study the Nano and Biomimetic Properties of Hydrogel Polymer Networks for Human Hyaline Cartilage Scaffold-Supported Cell Therapy	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E195	B
Martin	Guthold	Wake Forest University	646627	The Mechanical Properties of Single Fibrin Fibers	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E196	E
Mark	Haidekker	University of Georgia	652476	Microscale, Real-Time Mechanosensors Based on Fluorescent Molecular Rotors	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E197	A
K Jimmy	Hsia	U of Ill Urbana-Champaign	825220	NSF-GEM4 Summer School on Cellular and Molecular Mechanics	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E198	C

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Rui	Huang	U of Texas Austin	654105	Buckling of Nanostructures	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E199	D
Bryan	Huey	Univ of Connecticut	626231	Mechanical Response of Individual Living Epithelial and Endothelial Cells to in situ Biochemical Signal Exposure and Direct Drug Delivery	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E200	B
William	Klug	U of Cal Los Angeles	748034	CAREER: Membrane-Protein Interactions and the Mechanics of Cell Organelles	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E201	E
Melissa	Knothe Tate	Case Western Reserve	826435	Mechanical Modulation of Stem Cell Shape and Fate	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E202	A
Sanjay	Kumar	U of Cal Berkeley	727420	Mechanobiological Regulation of Cell and Tissue Architecture by Actomyosin Stress Fiber Bundles	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E203	C
Alexander	Levine	U of Cal Los Angeles	800533	Micro- and Nano-Mechanics of Active Biopolymer Networks	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E204	D
Gang	Li	Clemson University	800474	Multiscale Computational Analysis of Nanoelectromechanical Systems (NEMS)	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E205	B

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Shaofan	Li	University of California at Berkeley	800744	Multiscale Simulation of Soft Contact and Cell Adhesion	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E206	E
Jun	Lou	William Marsh Rice Univ	800896	Nanomechanical Characterizations of Interfaces in Carbon Nanotube Reinforced Nanocomposites	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E207	A
Rob	Phillips	California Inst of Tech	758343	The Mechanics of Genome Ejection in Bacterial Viruses	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E208	C
Olivier	Pierron	GA Tech Res Corp - GIT	825435	Fabrication and Thermomechanical Characterization of NiTi Shape Memory Alloy Nanowires	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E209	D
Hang (Jerry)	Qi	U of Colorado Boulder	645219	CAREER: Integrative Research and Education on Multiphysical Behaviors of Soft Functional Materials	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E210	B
Dong	Qian	U of Cincinnati	600583	Mechanics of Damping in Nanostructured Materials	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E211	E
Yu	Qiao	U of Cal San Diego	705142	NSF/Sandia: Controlling Liquid Motions in Nanoenvironments Using Mechanical, Thermal, and Electrical Methods	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E212	A

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Rodney	Ruoff	U of Texas Austin	802247	Fracture Mechanics of Nanowires and Nanostructures	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E213	C
T.	Saif	U of Ill Urbana-Champaign	728189	Interplay Between In-Homogeneity and Size Scale of Microstructure: A New Paradigm in the Mechanistic Exploration of Nano Grained Metal Deformation	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E214	D
T.	Saif	U of Ill Urbana-Champaign	800870	Understanding Force-Induced Learning and Memory	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E215	B
Vivek	Shenoy	Brown University	825185	Mechanics of Intracellular Pathogens and Biomimetic Systems Propelled by Actin Comet Tails	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E216	E
Metin	Sitti	Carnegie Mellon University	800408	Nanomechanics of Biologically Inspired Repeatable and Hierarchical Elastomer Fibrillar Adhesives	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E217	A
Wei	Sun	Drexel University	700405	Study Bio-Deposition Induced Effect on Living Cells	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E218	C
Jay	Tang	Brown University	825873	Biomechanics of Actin Networks Regulated by Physical Mechanisms	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E219	D

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Vikas	Tomar	University of Notre Dame	728026	Microstructural Engineering of SiC-Si3N4 Nanocomposites Using a Combination of Classical Molecular Dynamics and Cohesive Finite Element Methods	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E220	B
Kumar	Vemaganti	U of Cincinnati	700747	Improving the Mechanical Integrity of Biomaterials Using Carbon Nanotubes: Experiments, Modeling & Education	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E221	E
Amy	Wagoner Johnson	U of Ill Urbana-Champaign	728246	A New Approach for Structure-Property Relations in Scaffold Design for Bone Tissue Engineering	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E222	A
Kai-tak	Wan	Northeastern University	757140	CAREER: Interfacing and Integrating Life-Sciences and Solid-Mechanics	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E223	C
Xiaoyi	Wu	U of Arizona	700323	The Mechanics of Silk-Elastin-Like Proteins	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E224	D
Henry	Yang	U of Cal Santa Barbara	626541	Collaborative Research: Nanostructured Alloys With Unprecedented Properties	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E225	B
Albert	Yee	U of Cal Irvine	728352	Mechanical Properties and Their Time-Temperature Dependence in Fabricated Polymeric Nanostructures	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E226	E

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Xin	Zhang	Boston University	609147	NER: A Digital Bio/Nanoelectronics Interface for Single Cell Study	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E227	A
Xin	Zhang	Boston University	826191	Collaborative Research: Elastic and Viscoelastic Characterization and Modeling of Polymer Based Structures for Biological Applications	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E228	C
Yiping	Zhao	U of Georgia Res Fdn Inc	824728	Understanding and Preventing Nanocarpet Effect	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E229	D
Ting	Zhu	GA Tech Res Corp - GIT	653769	Nanomechanics of Tough Nanostructured Metals	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E230	B
Ting	Zhu	GA Tech Res Corp - GIT	758554	Chemo-Mechanics of Fracture in Small-Volume Materials	Nano and Bio Mechanics (NBM)	7479	Mechanics and Engineering Materials	E231	E
Ioannis	Brilakis	GA Tech Res Corp - GIT	625643	Automated Vision Tracking of Project Related Entities	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B1	A
Ioannis	Brilakis	GA Tech Res Corp - GIT	904109	Progressive Site Modeling with Videogrammetry	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B2	C
Ioannis	Brilakis	University of Michigan	625643	Automated Vision Tracking of Project Related Entities	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B3	D

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Ioannis	Brilakis	University of Michigan	904109	Progressive Site Modeling with Videogrammetry	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B4	B
Jesus	de la Garza	Virginia Tech	726789	A Comprehensive Framework for the Efficiency Measurement of Road Maintenance	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B5	E
Francois	Dion	University of Michigan	800155	Collaborative Research: Protocols for Wireless Networking and Multi-application Data Handling for Freeway Traffic Safety Applications	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B6	A
Leonardo	Duenas Osorio	William Marsh Rice Univ	748231	CAREER: Reliability Assessment and Risk Mitigation Principles for Smart Interdependent Infrastructure Systems	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B7	C
Phillip	Dunston	Purdue University	239091	CAREER: Mixed Reality Science and Technology for Architecture Engineering and Construction	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B8	D
Phillip	Dunston	Purdue University	700492	Skill Development and Transfer from Virtual Training Systems	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B9	B
Sherif	El-Tawil	University of Michigan	726493	Rapid Post-Disaster Reconnaissance for Building Damage Using Augmented Situational Visualization and Simulation Technology	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B10	E
Terry	Friesz	PA St U University Park	824640	Congestion Options: A Market Solution to Congestion Externalities	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B11	A

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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
James	Garrett	Carnegie Mellon University	825964	Development of a Spatial Analysis Framework to Predict Critical Segments of Water Distribution Networks	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B12	C
Michael	Garvin	VA Polytechnic Inst & St U	629260	CAREER: Development & Application of New Tools for Infrastructure Programming Decisions	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B13	D
Harry	Giles	University of Michigan	533325	PATH: Technological Innovations in an Industrially Designed and Manufactured Modular Housing Concept for Low Energy, Prefabricated, Low-Rise Low Income Housing Units	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B14	B
Michael	Horman	Pennsylvania State University	547324	CAREER: Lean and Green - High Performance Processes for High Performance Buildings	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B15	E
Vineet	Kamat	University of Michigan	448762	CAREER: Interactive Process Visualization in Virtual and Augmented Reality for Innovative Learning, Analysis, and Design of Field Construction Operations	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B16	A
Vineet	Kamat	University of Michigan	825818	A Robust Method for Resolving Incorrect Visual Occlusion in Dynamic Augmented Reality Environments of Animated Engineering Operations	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B17	C

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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
Kincho	Law	Stanford University	601167	Interoperation, Mediation and Composition of Engineering Services	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B18	D
Yanfeng	Ouyang	U of Ill Urbana-Champaign	748067	CAREER: Information Mechanisms and Robust Stabilization of Nonlinear, Stochastic Transportation Networks	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B19	B
Feniosky	Pena-Mora	U of Ill Urbana-Champaign	427089	ITR: IT-Based Collaboration Framework for Preparing Against, Responding to, and Recovering from Disasters Involving Critical Physical Infrastructures	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B20	E
Feniosky	Pena-Mora	U of Ill Urbana-Champaign	800500	Interactive Ubiquitous Visualization of Construction Progress Monitoring with D4AR (4 Dimensional Augmented Reality) Models	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B21	A
Sunil	Sinha	VA Polytechnic Inst & St U	801018	CAREER: Sustainable Water Infrastructure Management System (SWIMS)	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B22	C
Jochen	Teizer	GA Tech Res Corp - GIT	800858	SmartHat: Self-Monitoring, Analysis, and Reporting Technology for Hazard Avoidance and Training	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B23	D
Panagiotis	Tsiotras	GA Tech Res Corp - GIT	727768	GOALI: Next Generation Active Safety Control Systems for Crash-Avoidance of Passenger Vehicles Using Expert Driver Knowledge	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B24	B

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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
Michael	Zhang	U of Cal Davis	700383	Distributed Vehicular Traffic Management via DSRC-Enabled Vehicles	Civil Infrastructure Systems (CIS)	1631	Resilient and Sustainable Infrastructures	B25	E
Scott	Ashford	Oregon State University	728120	Study of Blast-Induced Liquefaction: A U.S.-Japan Collaborative Effort on Airport Infrastructure	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B37	A
Robert	Bea	U of Cal Berkeley	842801	SGER/Collaborative Research: 2008 Midwest Levee Failure Invesigation	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B38	C
Ronaldo	Borja	Stanford University	824440	Coupled Solid-Deformation/Fluid-Flow Simulation of Failure Initiation in Variably Saturated Slopes	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B39	D
Jonathan	Bray	U of Cal Berkeley	825734	Collaborative Research: Geoengineering Extreme Events Reconnaissance (GEER) Association: Turning Disaster Into Knowledge	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B40	B
Jean-Louis	Briaud	Texas Engineering Exp Sta	842374	SGER/Collaborative Research: 2008 Midwest Levee Failure Invesigation	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B41	E
Richard	Finno	Northwestern University	758304	GOALI: Dynamic Soil Properties - Effects of Construction-induced Stress Changes	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B42	A
Michael	Malusis	Bucknell University	625159	Collaborative Research: Enhanced Clay Membrane Barriers for Sustainable Waste Containment	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B43	C

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Michael	Malusis	Bucknell University	726768	Collaborative Research: Hydraulic Sustainability of Soil-Bentonite Cutoff Walls Subjected to Cyclic Wetting and Drying	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B44	D
Tong	Qiu	Clarkson University	826097	Analytical and Experimental Study of Pore Fluid Induced Damping and Effective Density in Saturated Soil During Shear Wave Excitations	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B45	B
Krishna	Reddy	U of Illinois Chicago	600441	GOALI: Field Monitoring and Performance Evaluation of Four Bioreactor Landfills	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B46	E
Krishna	Reddy	U of Illinois Chicago	727569	Remediation of Contaminated Subsurface Using Nanoscale Iron Particles	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B47	A
Jonathan	Rogers	Missouri University of Science and Technology	842659	SGER/Collaborative Research: 2008 Midwest Levee Failure Invesigation	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B48	C
Charles	Shackelford	Colorado State University	624104	Collaborative Research: Enhanced Clay Membrane Barriers for Sustainable Waste Containment	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B49	D
Charles	Shackelford	Colorado State University	757815	GOALI/Collaborative Research: Benentonite-Polymer Nanocomposites for Geoenvironmental Applications	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B50	B

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First Name	Last Name	Organization	Grant Number	Grant Title	Grant Program	Prg Elmt	Cluster	Poster Location	Poster Group
Nicholas	Sitar	U of Cal Berkeley	840580	SGER: Seismic Monitoring of Active Rock Fall Source Areas in the Yosemite National Park	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B51	E
Yin Lu (Julie)	Young	Princeton University	653772	Transient Flow-Induced Soil Failures of Coastal Structures	GeoTechnical Engineering (GTE)	1636	Resilient and Sustainable Infrastructures	B52	A
Jack	Baker	Stanford University	726684	A Comprehensive Approach for Incorporating the Effects of Near-Fault Directivity into Design Criteria	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B63	A
Erin	Bell	U of New Hampshire	644683	CAREER: Integrating Structural Health Monitoring, Intelligent Transportation Systems and Model Updating into a Bridge Condition Assessment Framework	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B64	C
Bogusz	Bienkiewicz	Colorado State University	700888	Investigation of Discrepancies in Laboratory Wind Loading Modeling and Development of Standardized Wind Tunnel Testing Protocol for Low Buildings	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B65	D
Finley	Charney	VA Polytechnic Inst & St U	612798	SGER: Development and Testing of a Visco-Plastic Device for Mitigating the Damaging Effects of Seismic Loads	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B66	B

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Genda	Chen	Missouri University of Science and Technology	825942	Rapid Post-Earthquake Assessment on Building Condition and Chemical Hazard with a Temperature-Tolerant Monitoring System	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B67	E
Daniel	Cox	Oregon State University	800822	Coupled Hydraulic-Structural Testing to Improve Highway Bridge Performance Under Extreme Hurricane Wave Loads	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B68	A
Shirley	Dyke	Washington University	625640	Nonlinear Model Updating Using Ambient Responses For Damage Diagnosis In Concrete Structures	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B69	C
Michael	Engelhardt	University of Texas at Austin	700682	Elevated Temperature Performance of Beam End Framing Connections	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B70	D
Arindam	Gan Chowdhury	Florida International University	727871	Hurricane Wind Simulation and Testing to Develop Damage Mitigation Techniques	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B71	B
Maria	Garlock	Princeton University	756488	Collaborative Research: Guidelines for the Design of Steel Shear Angle Connections Under Fire Hazard	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B72	E
Tara	Hutchinson	University of California San Diego	729483	CAREER: Substructure Damage Characterization for Performance-Based Earthquake Engineering	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B73	A

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Elin	Jensen	Lawrence Technolog Univ	747775	CAREER: Effect of Fire Loads on the Performance of Structural Concrete	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B74	C
Erik	Johnson	U of Southern California	826634	Controlled Substructure Identification for Structural Health Monitoring	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B75	D
Venkatesh	Kodur	Michigan State University	601178	Guidelines for Enhancing Fire Endurance of High Strength Concrete Columns	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B76	B
Venkatesh	Kodur	Michigan State University	652292	Collaborative Research: Fire Engineering Guidelines for the Design of Steel Beam-Columns	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B77	E
Sashi	Kunnath	U of Cal Davis	826513	Novel Computational Simulation Methodology for Complex Structural System Analysis	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B78	A
Yahya	Kurama	University of Notre Dame	800356	RC Bearing Walls Subjected to Elevated Temperatures	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B79	C
Valeria	LaSaponara	University of California-Davis	642814	CAREER: Impact Resistance and Structural Health Monitoring of Bistable Composite Structures	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B80	D
Kincho	Law	Stanford University	824977	Decentralized Structural Control Strategies with Wireless Sensing and Actuation	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B81	B

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Stephen	Mahin	U of Cal Berkeley	600625	Robust Performance-based Design of Concentrically Braced Steel Frame Buildings	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B82	E
Brian	Meacham	Worcester Polytech Inst	840601	SGER: Collection of Data on Fire at Faculty of Architecture Building, Technical University at Delft	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B83	A
Ricardo	Medina	University of New Hampshire	753684	Collaborative Research: An Integrated Model for Performance-Based Assessment and Design of Secondary Systems Mounted on Building Structures	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B84	C
Gilberto	Mosqueda	SUNY Buffalo	748111	CAREER: Hybrid Simulation Platform for Seismic Performance Evaluation of Structures Through Collapse	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B85	D
Jean-Paul	Pinelli	Florida Institute of Tech	625124	Measurement & Characterization of Hurricane Wind Loads on Structures Using a Wireless Sensing Networking System	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B86	B
Dimitris	Rizos	USC Research Foundation	800414	Development and Implementation of Staggered BEM-FEM For The Assessment of Vibrations Induced By High Speed Trains	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B87	E

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Ganesh	Thiagarajan	U of Missouri Kansas City	748085	CAREER: Fracture Analyses in Concrete via Experimentation & Simulation (FRANCES): Examining Discrete Crack and Fracture Modeling of Concrete Under Blast and Impact Loading	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B88	A
Maria	Todorovska	U of Southern California	800399	Earthquake Damage Detection in Buildings and Early Warning Based on Wave Travel Times	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B89	C
Susan	Tubbesing	Earthquake Eng Res Inst	758529	Learning From Earthquakes	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B90	D
Amit	Varma	Purdue University	601201	Realistic Fire Behavior and Stability of Steel Building Structures and Sub-systems	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B91	B
Amit	Varma	Purdue University	758461	Collaborative Research: Fire Behavior and Design of Building Floor Systems	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B92	E
Sara	Wadia-Fascetti	Northeastern University	600578	Collaborative Research: Fusion of Electromagnetic and Mechanical Wave Data for Concrete Structure Diagnostics	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B93	A

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Farzin	Zareian	U of Cal Irvine	654409	Collaborative Research: An Integrated Model for Performance-Based Assessment and Design of Secondary Systems Mounted on Building Structures	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B94	C
Girma	Bitsuamlak	Florida International University	846811	CAREER: Multi-Scale Computational Evaluation of Wind Load on Buildings	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B95	D
Boris	Jeremic	U of Cal Davis	324661	Collaborative Research: Demonstration of NEES for Studying Soil-Foundation-Structure Interaction	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B96	B
Andrew	Kennedy	University of Notre Dame	902264	SGER: Waves and Surge during Hurricanes Gustav and Ike	Hazard Mitigation and Structural Engineering (HMSE)	1637	Resilient and Sustainable Infrastructures	B97	E
Benigno	Aguirre	University of Delaware	408363	Collaborative Research: Improving USAR Preparedness Using Simulation Technology	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B105	A
Philip	Berke	U of NC Chapel Hill	407720	The Effects of New Urban Developments Compared to Conventional Low Density Developments on Natural Hazard Mitigation	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B106	C
Ximing	Cai	U of Ill Urbana-Champaign	825654	Planning for Drought Preparedness in the Watershed Context: A Risk-Based Decision Analysis	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B107	D

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Sharon	Danes	U of Minnesota-Twin Cities	625326	Family Business Response to Federal Disaster Assistance	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B108	B
Leonardo	Duenas Osorio	William Marsh Rice Univ	728040	Interdependent Response of Complex Urban Infrastructures Subjected to Multiple Hazards	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B109	E
Ann-Margaret	Esnard	Florida Atlantic Univ	726808	Displacement Due to Catastrophic Hurricanes: Assessing Potential Magnitude and Policy Implications for Housing and Land Development	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B110	A
Makarand	Hastak	Purdue University	848016	SGER: A Short-term Site Investigation of the 2008 Midwest Floods	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B111	C
Kristina	Lerman	U of Southern California	753124	INTEROP: Rapid Deployment of Humanitarian Assistance Social Networks for ad hoc Geospatial Data Sharing (GeoNets)	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B112	D
Henry	Liu	U of Minnesota-Twin Cities	753580	SGER: Responding to the Unexpected: Understanding Travelers' Behavioral Choices in the Wake of the Mississippi River Bridge Collapse	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B113	B
Henry	Liu	U of Minnesota-Twin Cities	825768	BRIDGE: Behavioral Response to the I-35W Disruption: Gauging Equilibration	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B114	E

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Pamela	Murray-Tuite	VA Polytechnic Inst & St U	654023	Integrating Household Decision-Making and Transportation Simulation under No-Notice Evacuation Conditions	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B115	A
Robert	Olshansky	U of Ill Urbana-Champaign	758310	Rebuidling New Orleans: Evaluating the Post-Disaster Planning Process	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B116	C
Brett	Sanders	U of Cal Irvine	825165	Data Integration and Model Development to Mitigate Urban Flooding Hazards Linked to Sea Level Rise	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B117	D
S. Travis	Waller	U of Texas Austin	347005	CAREER: Accounting for Information and Recourse in the Robust Design and Optimization of Stochastic Transportation Networks	Infrastructure Management and Extreme Events (IMEE)	1638	Resilient and Sustainable Infrastructures	B118	B
Jeffrey	Berman	U of Washington	830294	NEESR-SG: Smart and Resilient Steel Walls for Reducing Earthquake Impacts	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B130	6/24/09 from 12:30 to 2 p.m.
Jacobo	Bielak	Carnegie Mellon University	619078	NEESR-SG: High-fidelity site characterization by experimentation, field observation, and inversion-based modeling	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B131	6/24/09 from 12:30 to 2 p.m.
Jonathan	Bray	U of Cal Berkeley	530714	NEESR-II: Towards Developing an Engineering Procedure for Evaluating Building Performance on Softened Ground	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B132	6/24/09 from 12:30 to 2 p.m.

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Jonathan	Bray	U of Cal Berkeley	830331	NEESR-SG: Seismic Performance Assessment in Dense Urban Environments	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B133	6/24/09 from 12:30 to 2 p.m.
Richard	Christenson	University of Connecticut	830235	NEESR-SD: Development of a Real-Time Multi-Site Hybrid Testing Tool for NEES	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B134	6/24/09 from 12:30 to 2 p.m.
Daniel	Cox	Oregon State University	830378	NEESR II: Mitigating the Risk of Coastal Infrastructure through understanding Tsunami-Structure Interaction and Modeling	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B135	6/24/09 from 12:30 to 2 p.m.
Gregory	Deierlein	Stanford University	530756	NEESR-SG: Controlled Rocking of Steel-Framed Buildings with Replaceable Energy Dissipating Fuses	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B136	6/24/09 from 12:30 to 2 p.m.
Jason	DeJong	U of Cal Davis	830182	NEESR-II: Biological Improvement of Sands for Liquefaction Prevention and Damage Mitigation	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B137	6/24/09 from 12:30 to 2 p.m.
Ricardo	Dobry	Rensselaer Polytech Inst	529995	NEESR-SG: Experimental and Micromechanical Computational Study of Pile Foundations Subjected to Liquefaction-Induced Lateral Spreading	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B138	6/24/09 from 12:30 to 2 p.m.

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Peter	Dusicka	Portland State University	830414	NEESR-II: Toward Rapid Return to Occupancy in Unbraced Steel Frames	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B139	6/24/09 from 12:30 to 2 p.m.
Shirley	Dyke	Washington University	830173	NEESR-SG: Performance-Based Design and Real-time Large-scale Testing to Enable Implementation of Advanced Damping Systems	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B140	6/24/09 from 12:30 to 2 p.m.
Ahmed	Elgamal	U of Cal San Diego	830422	NEESR-II: A Seismic Study of Wind Turbines for Renewable Energy	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B141	6/24/09 from 12:30 to 2 p.m.
Henri	Gavin	Duke University	704959	SGER/Payload Project to NSF Award CMMI-0324522: Earthquake Hazard Reduction for Critical Facilities	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B142	6/24/09 from 12:30 to 2 p.m.
Amit	Kanvinde	U of Cal Davis	421492	NEESR-II: Large-Scale Testing and Micromechanical Simulation of Ultra-Low-Cycle Fatigue Cracking in Steel Structures	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B143	6/24/09 from 12:30 to 2 p.m.
Laura	Lowes	U of Washington	421577	NEESR-SG: Seismic Behavior, Analysis and Design of Complex Wall Systems	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B144	6/24/09 from 12:30 to 2 p.m.

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Patrick	Lynett	Texas Engineering Exp Sta	619083	NEESR-SG: TSUNAMOS: A Validated, Multi-Scale Tsunami Model for Hybrid Numerical-Experimental Simulation	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B145	6/24/09 from 12:30 to 2 p.m.
Kurt	McMullin	San Jose State Univ Fdn	619157	NEESR-SG: Experimental Determination of Performance of Drift-Sensitive Nonstructural Systems under Seismic Loading	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B146	6/24/09 from 12:30 to 2 p.m.
Radoslaw	Michalowski	University of Michigan	724022	NEESR-SG: Damage Detection and Health Monitoring of Buried Pipelines after Earthquake-Induced Ground Movement	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B147	6/24/09 from 12:30 to 2 p.m.
Y.L.	Mo	U of Houston	724190	NEESR Payload: Damage Detection of Reinforced Concrete Columns Subjected to Combined Actions	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B148	6/24/09 from 12:30 to 2 p.m.
Kanthasamy	Muraleetharan	University of Oklahoma	830328	NEESR-SG: Understanding and Improving the Seismic Behavior of Pile Foundations in Soft Clays	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B149	6/24/09 from 12:30 to 2 p.m.
Satish	Nagarajaiah	William Marsh Rice Univ	830391	NEESR-SG: Development of Next Generation Adaptive Seismic Protection Systems	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B150	6/24/09 from 12:30 to 2 p.m.

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Scott	Olson	U of Ill Urbana-Champaign	723697	NEESR-SG: Soil Improvement Strategies to Mitigate Impact of Seismic Ground Failures via Novel Integration of Experiment and Simulation	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B151	6/24/09 from 12:30 to 2 p.m.
H. Ronald	Riggs	U of Hawaii	530759	NEESR-SG: Development of Performance Based Tsunami Engineering, PBTE	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B152	6/24/09 from 12:30 to 2 p.m.
Glenn	Rix	GA Tech Res Corp - GIT	530478	NEESR-GC: Seismic Risk Mitigation for Port Systems	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B153	6/24/09 from 12:30 to 2 p.m.
Brent	Rosenblad	U of Missouri Columbia	530140	NEESR-II: Study of Surface Wave Methods for Deep Shear Wave Velocity Profiling Applied to the Deep Sediments of the Mississippi Embayment	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B154	6/24/09 from 12:30 to 2 p.m.
Keri	Ryan	Utah State University	724208	NEESR-SG: TIPS - Tools to Facilitate Widespread Use of Isolation and Protective Systems, a NEES/E-Defense Collaboration	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B155	6/24/09 from 12:30 to 2 p.m.
David	Sanders	U of Nevada Reno	530737	NEESR-SG: Seismic Simulation and Design of Bridge Columns under Combined Actions, and Implications on System Response	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B156	6/24/09 from 12:30 to 2 p.m.

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John	van de Lindt	Colorado State University	529903	NEESR SG: NEESWood: Development of a Performance-Based Seismic Design Philosophy for Mid-Rise Woodframe Construction	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B157	6/24/09 from 12:30 to 2 p.m.
John	van de Lindt	Colorado State University	651710	SGER NEESR Payload Project to NEESR SG Award CMS-0530759: Leveraging Tsunami Research - Wave Loading on Residential Structures with Earthquake and Hurricane Applications	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B158	6/24/09 from 12:30 to 2 p.m.
Andrew	Whittaker	SUNY Buffalo	829978	NEESR-SG: Performance-Based Design of Squat Reinforced Concrete Shear Walls	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B159	6/24/09 from 12:30 to 2 p.m.
James	Wight	University of Michigan	530383	NEESR-SG: Innovative Applications of Damage Tolerant Fiber-Reinforced Cementitious Materials for New Earthquake-Resistant Structural Systems and Retrofit of Existing Structures	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B160	6/24/09 from 12:30 to 2 p.m.
Mourad	Zeghal	Rensselaer Polytech Inst	830325	NEESR-II: Advanced Site Monitoring and Effective Characterization of Site Nonlinear Dynamic Properties and Model Calibration	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B161	6/24/09 from 12:30 to 2 p.m.

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Jian	Zhao	U of Wisconsin Milwaukee	724097	NEESR-II: Behavior and Design of Cast-in-Place Anchors under Simulated Seismic Loading	NEES Research (NEESR)	7396	Resilient and Sustainable Infrastructures	B162	6/24/09 from 12:30 to 2 p.m.
Steven	McCabe	NEES Consortium, Inc.	402490	NEES Consortium Operation: FY 2005 - FY 2014	NEES Operations (NEES Ops)	7470	Resilient and Sustainable Infrastructures	B163	6/24/09 from 12:30 to 2 p.m.
Kurt	Henkaus	Purdue University			NEES Non Grantee			B164	6/24/09 from 12:30 to 2 p.m.
Terrence	McLaren	National Center for Supercomputing Applications		Coupling Network Analysis using MAEviz Building Blocks	NEES Non Grantee			B165	6/24/09 from 12:30 to 2 p.m.
Menq	Farn-Yuh	University of Texas at Austin		Using SingleShot to Organize and Review Data	NEES Non Grantee			B166	6/24/09 from 12:30 to 2 p.m.
Michael	Eck	University of Colorado - Boulder			NEES Non Grantee			B167	6/24/09 from 12:30 to 2 p.m.

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Abdeldjelil	Belarbi	Missouri University of Science and Technology			NEES Non Grantee			B168	6/24/09 from 12:30 to 2 p.m.
Abdeldjelil	Belarbi	Missouri University of Science and Technology			NEES Non Grantee			B169	6/24/09 from 12:30 to 2 p.m.
Xiaoyun	Shao	Western Michigan University		A Concept Design of Benchmark Model for NEES Hybrid Simulation Demonstration	NEES Non Grantee			B170	6/24/09 from 12:30 to 2 p.m.
Ray	Sydeski	MTS Systems Corporation		Advances in the Application of Hybrid Simulation Technology	NEES Non Grantee		Other	B171	6/24/09 from 12:30 to 2 p.m.
Shapour	Azarm	U of MD College Park	654042	Strategic Product Design for Retail Channel Acceptance Under Uncertainty and Competition	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D1	A
Vincent	Blouin	Clemson University	621055	Augmented Lagrangian Coordination for Decomposed Design Problems	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D2	C
Bert	Bras	GA Tech Res Corp - GIT	600243	Biologically Inspired Environmentally Benign Design and Manufacturing	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D3	D

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Matthew	Campbell	U of Texas Austin	448806	CAREER: A Generic Scheme for Graph Topology Optimization	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D4	B
Wei	Chen	Northwestern University	522662	Collaborative Research: Validating Predictive Models in Engineering Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D5	E
Wei	Chen	Northwestern University	700585	GOALI: A Choice Modeling Approach to Incorporating Heterogeneous Consumer Preferences into Enterprise-Driven Product Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D6	A
Barbara	Cutler	Rensselaer Polytech Inst	841319	SGER: Evaluation of an Interactive Daylighting Tool for Architectural Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D7	C
Roshan	D'souza	Mich Technological Univ	729280	Graphics Hardware Accelerated Real-Time Machinability Analysis of Free-Form Surfaces	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D8	D
Peter	Dewhurst	U of Rhode Island	620752	Collaborative Research: Design Procedures and Manufacturing Methods for Dual-Material and Fiber-Reinforced Minimum-Weight Structures	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D9	B
Alejandro	Diaz	Michigan State University	800388	A Methodology for Design of Metamaterials and Their Integration in Advanced RF Systems	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D10	E
Delcie R.	Durham	U of South Florida	840565	SGER: Exploring Sustainable Engineering Design Metrics through Cell Biology Analogy	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D11	A

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Debasish	Dutta	University of Illinois	653838	Semantic Integration of Multiple Information Resources in Product Development: Managing Internal and External Heterogeneity	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D12	C
Debasish	Dutta	University of Illinois	758150	Managing the Impact of Engineering Changes in a Cyberinfrastructure-Enabled Environment	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D13	D
Daniel	Frey	MIT	448972	CAREER: Using Experiments More Effectively in Engineering Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D14	B
Qiaode Jeffrey	Ge	SUNY Stony Brook	500064	Computational Kinematic Geometry of NURBS Motions	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D15	E
Satyandra	Gupta	U of MD College Park	727380	Collaborative Research: Automatic Generation of Context-Dependent Simplified Models to Support Interactive Virtual Assembly	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D16	A
Timothy	Gutowski	MIT	423484	Product Recycling Systems	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D17	C
Julie Zhili	Hao	Old Dominion Research Fdn	826420	Robust Design of High Performance MEMS Resonators	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D18	D
Larry	Howell	Brigham Young University	800606	Lamina Emergent Mechanisms	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D19	B

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Horea	Ilies	Univ of Connecticut	555937	COGEM: Constrained Geometric Morphing of Product Families in Mechanical Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D20	E
Horea	Ilies	Univ of Connecticut	644769	CAREER: Geometric Singularities in Engineering Design and Manufacturing: A Generic Spacetime Approach	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D21	A
Uma	Jayaram	Washington State Univ	523052	Adaptive Design Evaluations -- Ontology-Based Semantic Approach for Real-Time Collaboration and Communication between Engineering Applications.	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D22	C
Charles	Kim	Bucknell University	700495	Collaborative Research: A Mathematical Design Framework for the Synthesis of Biologically-Inspired Systems	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D23	D
Harrison	Kim	U of Ill Urbana-Champaign	726934	Enterprise Systems for Product Portfolio Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D24	B
Nam	Kim	University of Florida	600375	GOALI: Design Theory and Computational Modeling Tools for Systems with Evolving Kinematics	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D25	E
Susana	Lai-Yuen	U of South Florida	841451	SGER: A Hybrid Computational Geometry and Haptic Approach for Enabling Interactive Computer-Aided Design for Bionanotechnology	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D26	A

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Yuan-Shin	Lee	North Carolina State University	553310	L1-Splines-Based Geometric-Physics Modeling of Deformable Objects with Force-Torque Feedback	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D27	C
Hod	Lipson	Cornell University	547376	CAREER: Algorithms for Design of Active Fault-Tolerant Systems	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D28	D
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 (EDI)	1464	Systems Engineering and Design	D29	B
Kurt	Maute	U of Colorado Boulder	348759	CAREER: A Biomimetic Approach to the Design of Shape-Controlled Systems	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D30	E
Kurt	Maute	U of Colorado Boulder	729520	A Design-Centered Approach to Nano-Engineering	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D31	A
Daniel	McAdams	Texas Engineering Exp Sta	800772	Collaborative Research: A Biomimetic Concept Generator for Engineering Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D32	C
Sara	McMains	U of Cal Berkeley	547675	CAREER: Parallel GPU Analysis for Real-Time Manufacturability	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D33	D
Jeremy	Michalek	Carnegie Mellon University	747911	CAREER: Driving Design - Modeling the Influence of Market Forces and Public Policy on Vehicle Design Decisions	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D34	B

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Samy	Missoum	U of Arizona	800117	Explicit Design Space Decomposition with Adaptive Sampling for Design Optiimization and Uncertainty Quantification	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D35	E
Gregory	Mocko	Clemson University	826441	Integrative Situated Design: Linking Functions and Affordances Through Form	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D36	A
Edward	Morse	U of NC Charlotte	237501	CAREER: Specification and Analysis of Geometric Variability in Engineering Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D37	C
Rafi	Muhanna	GA Tech Res Corp - GIT	803597	Workshop: International Workshop on Imprecise Probability in Engineering Analysis and Design; held at Georgia Institute of Tech; Feb. 20-22, 2008	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D38	D
Christiaan	Paredis	GA Tech Res Corp - GIT	522116	Efficient Representation and Reduction of Extreme Uncertainty in Environmentally Benign Design and Manufacture	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D39	B
Matthew	Parkinson	PA St U University Park	729386	Designing for Human Variability: Allocation of Adjustability	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D40	E
Zhijian	Pei	Kansas State University	729386	Designing for Human Variability: Allocation of Adjustability	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D41	A
Leslie	Piegl	U of South Florida	758231	Knowledge-Guided NURBS for Robust Engineering Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D42	C

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Xiaoping	Qian	Illinois Inst of Tech	800912	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 (EDI)	1464	Systems Engineering and Design	D43	D
Masoud	Rais-Rohani	Mississippi State Univ	826547	Computational Design Tool Development for Multilevel Optimization of Product-Material Systems Under Uncertainty	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D44	B
John	Renaud	University of Notre Dame	700730	Multiscale Design Tool Development for High Performance Nanocomposites	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D45	E
John	Renaud	University of Notre Dame	800290	GOALI: Hybrid Cellular Automata for Topology and Topography Synthesis in Automotive Structural Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D46	A
David	Rosen	GA Tech Res Corp - GIT	522382	Synthesis Methods for Structural and Compliant Mesostructured Parts	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D47	C
Carolyn	Seepersad	U of Texas Austin	825713	Collaborative Research: Extreme Experience Design for Breaking Barriers to Innovation	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D48	D
Jami	Shah	Arizona State University	728192	Identification, Characterization & Measurement of Design Skills and Designer Profiles	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D49	B

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Vadim	Shapiro	U of Wisconsin Madison	500380	Tolerancing and Metrology of Virtually Engineered Components	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D50	E
Vadim	Shapiro	U of Wisconsin Madison	621116	Scan-and-Solve: Direct Analysis of Acquired Models	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D51	A
Dan	Simon	Cleveland State University	826124	GOALI: Biogeography-Based Optimization of Multiple Related Complex Systems	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D52	C
Timothy	Simpson	PA St U University Park	829557	Workshop: Interdisciplinary Graduate Design Programs; Arlington, Virginia; 29-30 May 2008	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D53	D
David	Spencer	PA St U University Park	620948	Computational Steering for Trade Space Exploration During Complex Systems Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D54	B
Thomas	Stahovich	University of California Riverside	729422	Natural User Interfaces for Conceptual Design Tools	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D55	E
Wei	Sun	Drexel University	427216	ITR: Computer-Aided Tissue Engineering	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D56	A
Krishnan	Suresh	U of Wisconsin Madison	726635	Collaborative Research: Automatic Generation of Context-Dependent Simplified Models to Support Interactive Virtual Assembly	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D57	C
Krishnan	Suresh	U of Wisconsin Madison	745398	CAREER: Next-Generation Shape Optimization of Geometrically Complex Artifacts	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D58	D

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Deborah	Thurston	U of Ill Urbana-Champaign	500464	Collaborative Research: Randomized Distributed Data Structures for Product Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D59	B
Judy	Vance	Iowa State University	457041	Collaborative Research: Constraint-based Compliant Mechanism Design using Virtual Reality as a Design Interface	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D60	E
Yan	Wang	U of Central Florida	645070	CAREER: Geometric Modeling for Computer Aided Nano Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D61	A
Jennifer	Welch	Texas Engineering Exp Sta	500265	Collaborative Research: Randomized Distributed Data Structures for Product Design	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D62	C
Kristin	Wood	U of Texas Austin	555851	Fundamental Studies of Generating Concepts Through Design-by-Analogy	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D63	D
Kristin	Wood	U of Texas Austin	600474	Collaborative Research: Innovations in Product Flexibility	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D64	B
Maria	Yang	MIT	830134	CAREER: A Design Data Analysis Approach to Early Stage Design Process Modeling	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D65	E
Cameron	Turner	Colorado School of Mines	900182	Design Space Analysis with Hyperdimensional Metamodels	Engineering Design and Innovation (EDI)	1464	Systems Engineering and Design	D66	A
Eric	Barth	Vanderbilt University	838874	SGER: Green Energy via Control-Based Design of Free-Piston Stirling Engines	Control Systems (CS)	1632	Systems Engineering and Design	D76	A

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Jongeun	Choi	Michigan State University	846547	CAREER: Multi-Agent Systems and Gaussian Processes: Applications in Environmental Sciences	Control Systems (CS)	1632	Systems Engineering and Design	D77	C
Jaydev	Desai	U of MD College Park	826158	Mechanial Phenotyping of Cells: Haptics-Enabled Atomic Force Microscopy	Control Systems (CS)	1632	Systems Engineering and Design	D78	D
Matthew	Franchek	U of Houston	727999	A Systems Approach to Ultra-Clean and Ultra-Efficient Internal Combustion Engines	Control Systems (CS)	1632	Systems Engineering and Design	D79	B
Karolos	Grigoriadis	U of Houston	602508	Collaborative Research: Hysteresis Compensation Using Linear Parameter Varying Control Methods	Control Systems (CS)	1632	Systems Engineering and Design	D80	E
Yi	Guo	Stevens Inst of Technology	825613	Collaborative Research: Control of Atomic-Scale Friction by Normal Surface Oscillation	Control Systems (CS)	1632	Systems Engineering and Design	D81	A
Cedric	Langbort	U of Ill Urbana-Champaign	826469	Distributed Control of Constrained Compartmental Systems, with Applications to Large-Scale Infrastructures	Control Systems (CS)	1632	Systems Engineering and Design	D82	C
Dongjun	Lee	U of Tennessee Knoxville	727480	Feedback Control of Multiple Nonholonomic Mechanical Systems: Geometry, Passivity, and Communication	Control Systems (CS)	1632	Systems Engineering and Design	D83	D
Naomi	Leonard	Princeton University	625259	Tensegrity Models and Shape Control of Vehicle Formations	Control Systems (CS)	1632	Systems Engineering and Design	D84	B

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Jr-Shin	Li	Washington University	747877	CAREER: Ensemble Control with Applications to Spectroscopy, Imaging, and Computation	Control Systems (CS)	1632	Systems Engineering and Design	D85	E
Zhi-Hong	Mao	U of Pittsburgh	727256	Dimensionality Reduction in the Control of the Human Hand	Control Systems (CS)	1632	Systems Engineering and Design	D86	A
Nuno Miguel	Martins	U of MD College Park	727659	Optimal Reference Tracking, the Next Step in the Design of Controllers for Markovian Jump Linear Systems	Control Systems (CS)	1632	Systems Engineering and Design	D87	C
Carole	Mei	University of Michigan-Dearborn	825761	Wave Approach in Vibration Analysis and Control of Complex Built-up Distributed Structures	Control Systems (CS)	1632	Systems Engineering and Design	D88	D
Todd	Murphey	Northwestern University	546430	CAREER: Planning and Control for Overconstrained Mechanisms	Control Systems (CS)	1632	Systems Engineering and Design	D89	B
Satish	Nagarajaiah	William Marsh Rice Univ	601672	Collaborative Research: Hysteresis Compensation Using Linear Parameter Varying Control Methods	Control Systems (CS)	1632	Systems Engineering and Design	D90	E
Prabhakar	Pagilla	Oklahoma State University	428397	Sensors: A New Laser-Based Sensing System for Monitoring and Control of Webs	Control Systems (CS)	1632	Systems Engineering and Design	D91	A
Prabhakar	Pagilla	Oklahoma State University	825937	Collaborative Research: Safe Coordination of Multiple Autonomous Vehicles	Control Systems (CS)	1632	Systems Engineering and Design	D92	C

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Lucy	Pao	U of Colorado Boulder	700877	GOALI: Control Architectures and Adaptive Model-Inverse Based Methods for Nonminimum Phase Uncertain Systems, with Applications to Atomic Force Microscopes	Control Systems (CS)	1632	Systems Engineering and Design	D93	D
Bryan	Rasmussen	Texas Engineering Exp Sta	644363	CAREER: Model-Based Control and Diagnostics for Transcritical CO2 Vapor Compression Cycle Systems	Control Systems (CS)	1632	Systems Engineering and Design	D94	B
Murti	Salapaka	U of Minnesota-Twin Cities	814615	Systems Approach to Dynamic Atomic Force Microscopy	Control Systems (CS)	1632	Systems Engineering and Design	D95	E
Jeffrey	Scruggs	Duke University	747563	CAREER: Control of Vibratory Energy Harvesting and Energy Constrained Systems	Control Systems (CS)	1632	Systems Engineering and Design	D96	A
Dusan	Stipanovic	U of Ill Urbana-Champaign	825677	Collaborative Research: Safe Coordination of Multiple Autonomous Vehicles	Control Systems (CS)	1632	Systems Engineering and Design	D97	C
Xiaobo	Tan	Michigan State University	824830	Nonlinear and Adaptive Control of Smart Material-Actuated Systems with Application to Nanopositioning	Control Systems (CS)	1632	Systems Engineering and Design	D98	D
A. Galip	Ulsoy	University of Michigan	555765	Analysis of Time Delayed Systems via Lambert Functions	Control Systems (CS)	1632	Systems Engineering and Design	D99	B
Umesh	Vaidya	Iowa State University	807666	Analysis and Control of Complex Behavior: Linear Transfer Operator Approach	Control Systems (CS)	1632	Systems Engineering and Design	D100	E

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Robert	Wood	Harvard University	746638	CAREER: Bio-inspired Automatic Control of a Flying Robotic Insect	Control Systems (CS)	1632	Systems Engineering and Design	D101	A
Fen	Wu	North Carolina State U	800044	Developing High Performance, Computationally Efficient Nonlinear Control Techniques for Polynomial Nonlinear Systems	Control Systems (CS)	1632	Systems Engineering and Design	D102	C
Bin	Yao	Purdue University	600516	Integrated Direct and Indirect Adaptive Robust Control With Quantitative Robust Parameter Estimation -- Theory and Applications	Control Systems (CS)	1632	Systems Engineering and Design	D103	D
Milos	Zefran	U of Illinois Chicago	600658	Haptic playback: A new approach to teaching of sensorimotor skills	Control Systems (CS)	1632	Systems Engineering and Design	D104	B
Shantanu	Chakrabartty	Michigan State University	700632	A Sub-Microwatt Self-Powered Fatigue Sensor	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D117	A
Genda	Chen	Missouri University of Science and Technology	409420	Development and Validation of Distributed Electromagnetic Wave-Guide Sensors for Civil Infrastructures Performance Evaluation	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D118	C
Peng	Chen	U of Pittsburgh	644681	CAREER: Multi-Functional, High-Sensitivity Optical Sensors in Microstructured Fibers	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D119	D

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Yu	Ding	Texas Engineering Exp Sta	540132	DDDAS-SMRP/Collaborative Research: A Framework For the Dynamic Data-Driven Fault Diagnosis of Wind Turbine Systems	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D120	B
Bogdan	Epureanu	University of Michigan	347327	CAREER: Next-Generation High-Sensitivity Damage Detection and Sensing Based on Enhancing Nonlinear Dynamics and Phase Space Pattern Recognition	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D121	E
Victor	Giurgiutiu	USC Research Foundation	408578	Predictive Methodologies for the Design of Lamb-Wave Piezoelectric Wafer Active Sensors for Structural Health Monitoring, Damage Detection and Failure Prevention	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D122	A
Victor	Giurgiutiu	USC Research Foundation	528873	SST: Ferroelectric Thin-Film Active Sensor Arrays for Structural Health Monitoring	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D123	C
Nakhiah	Goulbourne	VA Polytechnic Inst & St U	747872	CAREER: Multiphysics Modeling and Experiments for Pulastile Membrane Sensors	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D124	D
Haiying	Huang	U of Texas Arlington	650716	SST/Collaborative Research: Development of In-fiber Whitelight Interferometric Sensor for Absolute Distance Measurement and Characterization of Micro/Nano Scale Structures	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D125	B

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Po-Hao	Huang	U of Arkansas	800718	Understanding Corrosion and Diffusion Behavior in Metal Particle Polymer Composites for Corrosion Sensing	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D126	E
Yong	Huang	Clemson University	728035	Modeling of Data Transmission Process for Wireless Sensors on Industrial Rotating Structures	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D127	A
James	Hubner	U of Alabama Tuscaloosa	643170	CAREER: Molecular Luminescent Sensing for Global Strain Measurement	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D128	C
Imin	Kao	SUNY Stony Brook	428403	Sensors: Design of smart miniaturized sensor and interpretation of sensor data in intelligent diagnosis of mechanical-pneumatic systems	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D129	D
Imin	Kao	SUNY Stony Brook	800241	Contact Interface Modeling and Stiffness-based Biomedical Diagnosis with Sensing Technology Towards a Better Quality of Life	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D130	B
Yingzi (Lynn)	Lin	Northeastern University	825864	CNT-Integrated Sensing System for Driver State Detection	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D131	E
Christopher	Lynch	U of Cal Los Angeles	802658	Piezoelectric Sensor/Actuator Rosettes For Noise And Vibration Control	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D132	A

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Jerome	Lynch	University of Michigan	528867	Sensors: Carbon Nanotube-Based Wireless Sensors for Strain and Corrosion Monitoring of Structures	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D133	C
Jerome	Lynch	University of Michigan	726812	Collaborative Research: Sensor Fusion for Comprehensive Health Monitoring of Complex Infrastructure Systems - An International Testbed Opportunity	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D134	D
Tian-Wei	Ma	U of Hawaii	758632	Harvesting Mechanical Energy From Low Frequency Ambient Vibrations of Civil Infrastructural Systems Using Nonlinear Oscillators	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D135	B
Dean	Neikirk	The University of Texas Austin	825486	Resonant Wireless Sensor Nets for Civil Infrastructure Health Monitoring	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D136	E
Irving	Oppenheim	Carnegie Mellon University	329880	Sensors: MEMS for Multi-Mode Civil Infrastructure Monitoring	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D137	A
Jin-Song	Pei	U of Oklahoma	626401	FPGA and Microprocessor-Based Smart Wireless Sensing with Embedded Nonlinear Algorithms for Structural Health Monitoring	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D138	C
Siavash	Pourkamali Anaraki	University of Denver	800961	Development of a Hybrid Nano-Electro-Mechanical Sensor Technology for Nanoscale Aerosol Mass and Momemtumprobing	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D139	D

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Jianmin	Qu	GA Tech Res Corp - GIT	653883	Nonlinear Ultrasonic Techniques for Nondestructive Evaluation and Fatigue Life Prediction	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D140	B
Donald	Roper	University of Arkansas	825854	Gold Nanoparticle Ensembles on Optical Plasmon Capillaries for Virus/DNA Sensing	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D141	E
Massimo	Ruzzene	GA Tech Res Corp - GIT	800263	Periodic Cellular Piezoelectric Sensors and Actuators for Frequency Based Wave Steering	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D142	A
Steven	Shaw	Michigan State University	758419	Collaborative Research: Novel Microscale Resonant Sensors for Chemical and Biological Detection	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D143	C
I-Yeu	Shen	University of Washington	826501	Performance Enhancement of PZT Thin-Film Microactuators via a Multi-Scale, Multi-Domain Design	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D144	D
Steve	Shepard	U of Alabama Tuscaloosa	625074	Collaborative Research: Development of a Compact Acoustic Wave Sensor	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D145	B
Yong	Shi	Stevens Inst of Technology	826418	NAFC Acoustic Emission Sensors for Real-time Monitoring of Structures	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D146	E
Pranav	Shrotriya	Iowa State University	547280	CAREER: High Resolution Interferometry Based Surface Stress Sensors for Chemical and Biological Species Detection	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D147	A

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Jiong	Tang	Univ of Connecticut	428210	SST: Robust Wireless Piezoelectric Sensor Network for Structural Health Monitoring	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D148	C
Jiong	Tang	Univ of Connecticut	528790	SST: Multifunctional Adaptive Piezoelectric Sensory System for Structural Damage Detection	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D149	D
Jiong	Tang	Univ of Connecticut	540278	DDDAS-SMRP/Collaborative Research: A Framework For the Dynamic Data-Driven Fault Diagnosis of Wind Turbine Systems	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D150	B
Surot	Thangjitham	VA Polytechnic Inst & St U	700558	Sensor-Based Damage Detection and Quantification in Bridges Under Traffic and Environmental Effects	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D151	E
Anbo	Wang	VA Polytechnic Inst & St U	427951	SIRG: Highly Multiplexed Optical Fiber Sensing Networks for Infrastructure Monitoring	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D152	A
Anbo	Wang	VA Polytechnic Inst & St U	800267	Fully-Distributed Fiber-Optic Sensors for Pressure and Transverse Stress Measurement	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D153	C
Jann	Yang	U of Cal Irvine	554814	On-Line Damage Identification For Structural Health Monitoring Systems: An US-China Collaborative Research	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D154	D

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Miao	Yu	U of MD College Park	644914	CAREER: Biology-Inspired Miniature Optical Directional Microphones: Bridging Biological Systems and Sensor Technology	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D155	B
Yunfeng	Zhang	U of MD College Park	829327	CAREER: Integrated Research and Education in Smart Sensing and Intelligent Structures Technology	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D156	E
Yunfeng	Zhang	University of Maryland	829327	CAREER: Integrated Research and Education in Smart Sensing and Intelligent Structures Technology	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D157	A
Xiaolin	Zheng	Stanford University	826003	Novel Nanowire Force Sensor for Cell Adhesion Study	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D158	C
Mengyan	Shen	University of Massachusetts Lowell	904445	SGER: Study soft nanolithography with femtosecond laser irradiations for chemical and gas sensing	Sensors and Sensing Systems (SSS)	1639	Systems Engineering and Design	D159	D
Oguzhan	Alagoz	University of Wisconsin-Madison	700094	Optimal Design of the Liver Allocation System Considering Patient Preferences	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D169	A
Nilay	Argon	U of NC Chapel Hill	715020	Collaborative Research: Patient Triage in the Aftermath of a Mass Casualty Event - A Dynamic Programming Approach	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D170	C

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J. Eric	Bickel	The University of Texas at Austin	839394	SGER: Resource Allocation and the Value of Information	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D171	D
Douglas	Bish	VA Polytechnic Inst & St U	825611	Evacuation Planning with Demand Management	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D172	B
Amy	Cohn	University of Michigan	620153	Simplified Bidding and Solution Structures for Combinatorial Procurement Auctions	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D173	E
William	Cooper	U of Minnesota-Twin Cities	654362	Collaborative Research: Model Accuracy and Learning in Revenue Management and Dynamic Pricing	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D174	A
Brian	Denton	North Carolina State University	807144	Collaborative Research: Optimization of the Design and Operation of Surgery Delivery Systems	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D175	C
Mark	Ferguson	GA Tech Res Corp - GIT	620763	Decision Support for Improved Financial and Environmental Performance of Product Leasing	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D176	D
Noah	Gans	U of Pennsylvania	800645	Collaborative Research: Workforce Management in Labor-Intensive Service Operations	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D177	B
Diwakar	Gupta	U of Minnesota-Twin Cities	620328	Adaptive Appointment Systems with Patient Preferences	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D178	E
Diwakar	Gupta	U of Minnesota-Twin Cities	653451	Speed and Efficiency in Government Procurement of Transportation-Related Construction Services	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D179	A

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Jose	Holguin-Veras	Rensselaer Polytech Inst	624083	DRU: Contending with Materiel Convergence: Optimal Control, Coordination, and Delivery of Critical Supplies to the Site of Extreme Events	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D180	C
Samuel	Huang	U of Cincinnati	555962	Condition Monitoring for Evidence-based Care of Psychiatric Patient	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D181	D
Samuel	Huang	U of Cincinnati	825710	GOALI: Robust and Efficient Knowledge Discovery With Application in Gene Expression Based Diagnosis	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D182	B
Sheldon	Jacobson	U of Ill Urbana-Champaign	457176	Collaborative Research: Pediatric Vaccine Formulary Optimization and Analysis	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D183	E
Ramesh	Johari	Stanford University	620811	Positive Externalities and Complementarities in Networked Services	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D184	A
Siriphong	Lawphongpanich	University of Florida	653804	Pareto-Improving Road Pricing Schemes for Sustainable Mobility	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D185	C
Stuart	Lindsay	Arizona State University	609362	NIRT/GOALI: Self Assembly at Photonic and Electronic Scales	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D186	D
Lisa	Maillart	U of Pittsburgh	726955	Optimal Management of Expedited Placement Livers	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D187	B
Russell	Meller	U of Arkansas	600671	Collaborative Research: Designing Distribution Centers for a Service Economy	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D188	E

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Fernando	Ordonez	U of Southern California	728334	Optimization Models and Algorithms for Emergency Response Planning	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D189	A
Stephen	Patek	University of Virginia	728764	SGER: Econometric Models for Impacts of Technology in Healthcare	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D190	C
Georgia	Perakis	MIT	824674	Alleviating Travel Delay Uncertainties in Traffic Assignment and Traffic Equilibrium	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D191	D
Ronald	Rardin	U of Arkansas	813896	Collaborative Research: Optimization of Intensity Modulated Radiation Therapy with Time Varying Delivery Plans and Fraction Constraints	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D192	B
Edwin	Romeijn	University of Michigan	852727	Intensity Modulated Radiation Therapy: Integrated Models and Algorithms	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D193	E
Andrew	Schaefer	U of Pittsburgh	546960	CAREER: Next-Generation Research and Education in Therapeutic Optimization	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D194	A
Andrew	Schaefer	U of Pittsburgh	620780	Collaborative Research: Optimization of the Design and Operation of Surgery Delivery Systems	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D195	C
Andrew	Schaefer	U of Pittsburgh	826141	Optimizing Flu Shot Design Under Uncertainity	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D196	D
Hanif	Sherali	VA Polytechnic Inst & St U	754236	Integrated Operations Planning Models and Algorithms for the Airline Industry	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D197	B

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Aurelie	Thiele	Lehigh University	757983	Robust Portfolio Management with Uncertain Compounded Rates of Return	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D198	E
Huseyin	Topaloglu	Cornell University	422133	Sensitivity Analysis of the Dynamic Fleet Management Problem with Applications in Fleet-Sizing, Pricing and Terminal Capacity Planning	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D199	A
Huseyin	Topaloglu	Cornell University	825004	Approximate Dynamic Programming for Perishable Asset Management with Applications in Dynamic Pricing, Capacity Allocation and Revenue Management	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D200	C
Shiyu	Zhou	U of Wisconsin Madison	757683	GOALI/Collaborative Research: Event-Log-Based Failure Prediction and Maintenance Service for After-Sales Engineering Systems	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D201	D
Yong-Pin	Zhou	U of Washington	645075	CAREER: Service Quality and Its Operational Impacts	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D202	B
Serhan	Ziya	U of NC Chapel Hill	620736	Collaborative Research: Patient Triage in the Aftermath of a Mass Casualty Event - A Dynamic Programming Approach	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D203	E
Brian	Denton	North Carolina State University	844511	CAREER: Optimization of Screening and Treatment Delivery Systems for Chronic Diseases	Service Enterprise Systems (SES)	1787	Systems Engineering and Design	D204	A

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Alexandre	d'Aspremont	Princeton University	844795	CAREER: Semidefinite Programming with Applications in Statistical Learning	Operations Research (OR)	5514	Systems Engineering and Design	D216	A
Shabbir	Ahmed	GA Tech Res Corp - GIT	758234	Integer Programming Under Uncertainty	Operations Research (OR)	5514	Systems Engineering and Design	D217	C
Alper	Atamturk	U of Cal Berkeley	700203	Conic Integer Programming	Operations Research (OR)	5514	Systems Engineering and Design	D218	D
Bahar	Biller	Carnegie Mellon University	547405	CAREER: A Comprehensive Dependence Modeling Framework for Stochastic Simulations	Operations Research (OR)	5514	Systems Engineering and Design	D219	B
James	Calvin	NJIT	825381	Algorithms and Complexity for Global Optimization	Operations Research (OR)	5514	Systems Engineering and Design	D220	E
Christos	Cassandras	Boston University	330171	Sensors and Sensor Networks: A Control and Optimization Science Base for Sensor Networks in Adverse and Stochastic Environments	Operations Research (OR)	5514	Systems Engineering and Design	D221	A
Wai Kin Victor	Chan	Rensselaer Polytech Inst	644959	CAREER: Robust Modeling and Analysis of Discrete-Event Dynamic Systems	Operations Research (OR)	5514	Systems Engineering and Design	D222	C
Xin	Chen	U of Ill Urbana-Champaign	653909	Collaborative Research: Optimization Approach to Collaborative Games in Supply Chain Management	Operations Research (OR)	5514	Systems Engineering and Design	D223	D
William	Cook	GA Tech Res Corp - GIT	726370	An Exact Rational Solver for Mixed Integer Programming	Operations Research (OR)	5514	Systems Engineering and Design	D224	B

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Ismael	de Farias	Texas Tech University	903359	Branch-and-Cut Approaches for Nonconvex Nonlinear and Mixed-Integer Nonlinear Programming	Operations Research (OR)	5514	Systems Engineering and Design	D225	E
Eugene	Feinberg	SUNY Stony Brook	600538	Markov Decision Processes and Discrete Optimization	Operations Research (OR)	5514	Systems Engineering and Design	D226	A
Robert	Fourer	Northwestern University	800662	Detection and Transformation Algorithms for Optimization Software	Operations Research (OR)	5514	Systems Engineering and Design	D227	C
David	Gamarnik	MIT	726733	Stochastic Networks in the Heavy Traffic Regime: Algorithms, Approximations and Applications	Operations Research (OR)	5514	Systems Engineering and Design	D228	D
Donald	Goldfarb	Columbia University	606712	Inverse problems, Robust Optimization and Mathematical Programs with Equilibrium Constraints: Algorithms and Applications	Operations Research (OR)		Systems Engineering and Design	D229	B
Yongpei	Guan	U of Oklahoma	700868	Polyhedral Combinatorics and Algorithms for Stochastic Integer Programming	Operations Research (OR)	5514	Systems Engineering and Design	D230	E
Yongpei	Guan	U of Oklahoma	748204	CAREER: A Study of Stochastic and Robust Integer Programming: Algorithms, Computations and Applications	Operations Research (OR)	5514	Systems Engineering and Design	D231	A
Monique	Guignard-Spielberg	U of Pennsylvania	400155	Hybrid ARQ Symbol Mapping In Digital Wireless Communication Systems Based on the Quadratic 3-Dimensional Assignment Problem (Q3AP)	Operations Research (OR)	5514	Systems Engineering and Design	D232	C

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William	Hager	University of Florida	620286	MSPA-ENG: Scalable Sparse Matrix Algorithms and Software for Nonlinear Optimization	Operations Research (OR)	5514	Systems Engineering and Design	D233	D
John	Hasenbein	U of Texas Austin	800676	Designing and Controlling Processing Networks with Parameter Uncertainty	Operations Research (OR)	5514	Systems Engineering and Design	D234	B
Dorit	Hochbaum	U of Cal Berkeley	620677	New Optimization Techniques in Data Mining	Operations Research (OR)	5514	Systems Engineering and Design	D235	E
Tito	Homem-de-Mello	Northwestern University	727532	Optimization Algorithms for Problems with Stochastic Dominance Constraints	Operations Research (OR)	5514	Systems Engineering and Design	D236	A
Xiaoming	Huo	GA Tech Res Corp - GIT	700152	Fundamentals and Applications of Connect-the-Dots Methods	Operations Research (OR)	5514	Systems Engineering and Design	D237	C
Seong-Hee	Kim	GA Tech Res Corp - GIT	644837	CAREER: Constrained Ranking and Selection and Discrete Optimization via Simulation with Applications to Water Resource Allocation	Operations Research (OR)	5514	Systems Engineering and Design	D238	D
Eva	Lee	GA Tech Res Corp - GIT	300435	Investigations in Combinatorial Optimization and its Applications to DNA Sequencing Problems	Operations Research (OR)	5514	Systems Engineering and Design	D239	B
Eva	Lee	GA Tech Res Corp - GIT	800057	Investigations in Mixed Integer Programming	Operations Research (OR)	5514	Systems Engineering and Design	D240	E
Zhi-Quan	Luo	U of Minnesota-Twin Cities	726336	Optimal Resource Management: Complexity, Duality and Approximation	Operations Research (OR)	5514	Systems Engineering and Design	D241	A

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Sanjay	Mehrotra	Northwestern University	522765	Methods for Solving Mixed Integer Programs Using Adjoint Lattices	Operations Research (OR)	5514	Systems Engineering and Design	D242	C
David	Morton	The University of Texas at Austin	653916	Prioritization via Stochastic Optimization	Operations Research (OR)	5514	Systems Engineering and Design	D243	D
Arkadi	Nemirovski	GA Tech Res Corp - GIT	619977	Tractable Approximations of Chance Constrained Optimization Problems	Operations Research (OR)	5514	Systems Engineering and Design	D244	B
James	Orlin	MIT	758069	Nearly Optimal Solutions for Stochastic Optimization Problems	Operations Research (OR)	5514	Systems Engineering and Design	D245	E
Raghu	Pasupathy	VA Polytechnic Inst & St U	800608	Collaborative Research: Inference, Analysis and Assessment in Simulation Optimization	Operations Research (OR)	5514	Systems Engineering and Design	D246	A
Georgia	Perakis	MIT	758061	Price of Anarchy and Its Applications	Operations Research (OR)	5514	Systems Engineering and Design	D247	C
Oleg	Prokopyev	U of Pittsburgh	825993	Novel Optimization-Based Biclustering Algorithms for Biomedical Data Analysis	Operations Research (OR)	5514	Systems Engineering and Design	D248	D
Kavita	Ramanan	Carnegie Mellon University	728064	Asymptotic Analysis and Control of Stochastic Networks	Operations Research (OR)	5514	Systems Engineering and Design	D249	B
Jean-Philippe	Richard	University of Florida	348611	CAREER: Improving the Optimization and Re-Optimization of Mixed Integer Programs through the Study of Continuous Variables	Operations Research (OR)	5514	Systems Engineering and Design	D250	E

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Paat	Rusmevichientong	Cornell University	746844	CAREER: Real-Time Stochastic Optimization with Large Structured Strategy Sets and High-Volume Data Streams	Operations Research (OR)	5514	Systems Engineering and Design	D251	A
Martin	Savelsbergh	GA Tech Res Corp - GIT	522485	Collaborative Research: Exploiting Cyberinfrastructure to Solve Real-Time Integer Programs	Operations Research (OR)	5514	Systems Engineering and Design	D252	C
Hanif	Sherali	VA Polytechnic Inst & St U	552676	Enhancing the Solvability of Discrete and Continuous Nonconvex Programs with Applications to Production, Design, and Operational Problems	Operations Research (OR)	5514	Systems Engineering and Design	D253	D
Stanislav	Uryasev	University of Florida	457473	Percentile-Based Risk Management Approaches in Discrete Decision-Making Problems	Operations Research (OR)	5514	Systems Engineering and Design	D254	B
Michael	Veatch	Gordon College	620787	RUI: Controlling Complex Networks: Approximate Linear Programming Techniques	Operations Research (OR)	5514	Systems Engineering and Design	D255	E
Richard	Waltz	U of Southern California	728036	Collaborative Research: Investigation and Development of Active Set Prediction Techniques for Nonlinear Optimization	Operations Research (OR)	5514	Systems Engineering and Design	D256	A
Yinyu	Ye	Stanford University	800151	GOALI: Region Partitioning	Operations Research (OR)	5514	Systems Engineering and Design	D257	C

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Kurt	Anderson	Rensselaer Polytech Inst	555174	Efficient Simulation and Analysis of Complex Rigid Body Dynamic Systems Subject to Unilateral Constraints	Dynamical Systems (DS)	7478	Systems Engineering and Design	D267	A
Kurt	Anderson	Rensselaer Polytech Inst	757936	Framework for the Adaptive Multiscale Modeling of Biopolymers	Dynamical Systems (DS)	7478	Systems Engineering and Design	D268	C
Harry	Asada	MIT	728162	Stochastic Recruitment and Broadcast Feedback of Cellular Control Systems and Its Application to Muscle Actuators	Dynamical Systems (DS)	7478	Systems Engineering and Design	D269	D
Anil	Bajaj	Purdue University	728101	Nonlinear Dynamics of Seat-Occupant Systems with Nonlinear Viscoelastic Models of Flexible Polyurethane Foam	Dynamical Systems (DS)	7478	Systems Engineering and Design	D270	B
Balakumar	Balachandran	U of MD College Park	800471	GOALI: Delicate Material Characterization Using Tapping Mode AFM: Soft Impact and Nonlinear Dynamics	Dynamical Systems (DS)	7478	Systems Engineering and Design	D271	E
Balakumar	Balachandran	U of MD College Park	826173	Stochastic Resonance in Coupled, Nonlinear Oscillators	Dynamical Systems (DS)	7478	Systems Engineering and Design	D272	A
Dennis	Bernstein	University of Michigan	758363	A Multistability Framework for Modeling and Control of Hysteretic Damping and Friction	Dynamical Systems (DS)	7478	Systems Engineering and Design	D273	C

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David	Chelidze	U of Rhode Island	758536	Rational Models and Dynamical Characterization of Fatigue using Phase Space Warping and Smooth Orthogonal Decomposition	Dynamical Systems (DS)	7478	Systems Engineering and Design	D274	D
Harry	Dankowicz	University of Illinois at Urbana-Champaign	619028	Minimum-contact Tapping-mode Atomic Force Microscopy for Nondestructive Characterization of Soft Nanostructures	Dynamical Systems (DS)	7478	Systems Engineering and Design	D275	B
Harry	Dankowicz	University of Illinois at Urbana-Champaign	635469	PECASE: Analysis and Design of Discontinuity-Driven Bifurcations	Dynamical Systems (DS)	7478	Systems Engineering and Design	D276	E
Chiara	Daraio	California Inst of Tech	825345	Collaborative Research: Novel NDE/SHM Approach Based on Highly Nonlinear Dynamics	Dynamical Systems (DS)	7478	Systems Engineering and Design	D277	A
Hans	DeSmidt	U of Tennessee Knoxville	748022	CAREER: Vibration-Based Active and Passive Damage Identification of Time-Varying Dynamical Systems with Applications to Rotating Structures	Dynamical Systems (DS)	7478	Systems Engineering and Design	D278	C
Bogdan	Epureanu	University of Michigan	625011	Micro-Fluid-Structural Sensing Based on Sensitivity Vector Fields and Morphing Modes Created by Nonlinear Feedback Excitation	Dynamical Systems (DS)	7478	Systems Engineering and Design	D279	D
Bogdan	Epureanu	University of Michigan	800202	Cooperative Nonlinear Dynamics of Motor Proteins	Dynamical Systems (DS)	7478	Systems Engineering and Design	D280	B

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Jianbo	Gao	University of Florida	825311	Collaborative Research: Quantifying Predictability in Nonlinear Multiscale Systems with Applications to Tropical Cyclone Prediction	Dynamical Systems (DS)	7478	Systems Engineering and Design	D281	E
Tomas	Gedeon	Montana State University	849433	Fluid-Structure Interaction in Arthropod Mechanoreceptors with Application to Bio-Inspired Micro-Fluidic Sensors	Dynamical Systems (DS)	7478	Systems Engineering and Design	D282	A
Sheryl	Gracewski	University of Rochester	652947	Dynamic Response of Constrained Bubbles to Acoustic Excitation	Dynamical Systems (DS)	7478	Systems Engineering and Design	D283	C
Ian	Gravagne	Baylor University	726996	Mu-Dynamics on Time Scales: Adaptive Time Domains for Dynamical Systems	Dynamical Systems (DS)	7478	Systems Engineering and Design	D284	D
Elizabeth	Hsiao-Wecksler	U of Ill Urbana-Champaign	727083	Quantitative Characterization of Complex Motion Patterns Using Shape-based and Multivariate Techniques	Dynamical Systems (DS)	7478	Systems Engineering and Design	D285	B
Thomas	Huber	Gustavus Adolphus College	509998	RUI: Modal Testing Using Ultrasound Stimulated Radiation Force Excitation	Dynamical Systems (DS)	7478	Systems Engineering and Design	D286	E
Laurent	Jay	University of Iowa	654044	Collaborative Research: Simulation of Multibody Dynamics: Leveraging New Numerical Methods and Multiprocessor Capabilities	Dynamical Systems (DS)	7478	Systems Engineering and Design	D287	A
John	Judge	Catholic University	747598	CAREER: Dynamics of Micro- and Nanomechanical Resonator Arrays	Dynamical Systems (DS)	7478	Systems Engineering and Design	D288	C

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Eva	Kanso	U of Southern California	644925	CAREER: Modeling and Control of Solid-Fluid Interactions in Aquatic Locomotion	Dynamical Systems (DS)	7478	Systems Engineering and Design	D289	D
Kevin	Lynch	Northwestern University	700537	Programmable Vibratory Force Fields for Parts Handling	Dynamical Systems (DS)	7478	Systems Engineering and Design	D290	B
Brian	Mann	Duke University	757776	CAREER: Measurement and Predictive Dynamics of Meso-scale Milling	Dynamical Systems (DS)	7478	Systems Engineering and Design	D291	E
Craig	Martens	U of Cal Irvine	825661	Nonlinear Dynamics of Nanopore Current Oscillations	Dynamical Systems (DS)	7478	Systems Engineering and Design	D292	A
Leigh	McCue	VA Polytechnic Inst & St U	747973	CAREER: A Unified Research and Outreach Program in Nonlinear Vessel Dynamics	Dynamical Systems (DS)	7478	Systems Engineering and Design	D293	C
Prashant	Mehta	U of Ill Urbana-Champaign	556352	An Integrated Multi-Scale Stochastic Framework for Dynamic Analysis and Control of Transport Phenomena in Building Systems	Dynamical Systems (DS)	7478	Systems Engineering and Design	D294	D
William	Messner	Carnegie Mellon University	555513	Microfluidic System for Spatiotemporal Investigations of Cellular Dynamics	Dynamical Systems (DS)	7478	Systems Engineering and Design	D295	B
Jeff	Moehlis	U of Cal Santa Barbara	547606	CAREER: Dynamics of Individual and Coupled Oscillators	Dynamical Systems (DS)	7478	Systems Engineering and Design	D296	E
N. Sri	Namachchivaya	U of Ill Urbana-Champaign	758569	Dynamics and Stability of Stochastic Nonlinear Auto-parametric Systems	Dynamical Systems (DS)	7478	Systems Engineering and Design	D297	A

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Dan	Negrut	U of Wisconsin Madison	700191	Collaborative Research: Simulation of Multibody Dynamics. Leveraging New Numerical Methods and Multiprocessor Capabilities	Dynamical Systems (DS)	7478	Systems Engineering and Design	D298	C
Oliver	O'Reilly	University of California at Berkeley	726675	A Framework for Studying the Dynamics of the Human Spine with Application to Clinical Treatments for Back Pain	Dynamical Systems (DS)	7478	Systems Engineering and Design	D299	D
Jose	Palacios	San Diego State Univ Fdn	625427	A Dynamical Systems Paradigm to Design and Operate Intelligent Magnetic Sensor Networks	Dynamical Systems (DS)	7478	Systems Engineering and Design	D300	B
Noel	Perkins	University of Michigan	510266	Long Space/Time Scale Dynamics of DNA Supercoils: Theory and Experiment	Dynamical Systems (DS)	7478	Systems Engineering and Design	D301	E
Noel	Perkins	University of Michigan	825488	Predicting the Torsional Dynamics of DNA	Dynamical Systems (DS)	7478	Systems Engineering and Design	D302	A
Maurizio	Porfiri	Polytechnic Institute of New York University	745753	CAREER: Guidance and Control of Fish Shoals using Bio-Mimetic Robots	Dynamical Systems (DS)	7478	Systems Engineering and Design	D303	C
Arvind	Raman	Purdue University	700289	Nonlinear Dynamics of Microcantilevers Interacting with Nanostructures: New Paradigms for Ultrasensitive Atomic Force Microscopy	Dynamical Systems (DS)	7478	Systems Engineering and Design	D304	D
Jeffrey	Rhoads	Purdue University	826276	Exploiting Parametric Effects in Resonant Nanosystems	Dynamical Systems (DS)	7478	Systems Engineering and Design	D305	B

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Corina	Sandu	VA Polytechnic Inst & St U	700278	GOALI: Analytical Modeling and Experimental Analysis of Tires under Uncertain Intrinsic and Operational Parameters	Dynamical Systems (DS)	7478	Systems Engineering and Design	D306	E
John	Schmitt	Oregon State University	826583	Collaborative Research: Dynamics of Running on Variable Inclines	Dynamical Systems (DS)	7478	Systems Engineering and Design	D307	A
Steven	Shaw	Michigan State University	700307	GOALI: Transient Dynamics of Torsional Vibration Absorbers	Dynamical Systems (DS)	7478	Systems Engineering and Design	D308	C
Scott	Sommerfeldt	Brigham Young University	826554	Acoustical and Structural Energy Based Methods to Minimize Acoustic Radiation	Dynamical Systems (DS)	7478	Systems Engineering and Design	D309	D
Wen-wen	Tung	Purdue University	826119	Collaborative Research: Quantifying Predictability in Nonlinear Multiscale Systems with Applications to Tropical Cyclone Prediction	Dynamical Systems (DS)	7478	Systems Engineering and Design	D310	B
A. Galip	Ulsoy	University of Michigan	625060	Optimal Co-Design of Controlled Systems and their Controllers	Dynamical Systems (DS)	7478	Systems Engineering and Design	D311	E
A. Galip	Ulsoy	University of Michigan	647197	The 5XME Workshop and Report	Dynamical Systems (DS)	7478	Systems Engineering and Design	D312	A
Mohammad	Younis	SUNY Binghamton	700683	Microbeams under Mechanical Shock and Electrostatic Actuation Accounting for the Effects of Circuit Board and Package Motion	Dynamical Systems (DS)	7478	Systems Engineering and Design	D313	C

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Weidong	Zhu	University of Maryland, Baltimore County	348605	CAREER: Vibration and Stability of Distributed Structures with Industrial Applications	Dynamical Systems (DS)	7478	Systems Engineering and Design	D314	D
Weidong	Zhu	University of Maryland, Baltimore County	600559	Vibration-Based Structural Damage Detection: Theory and Applications	Dynamical Systems (DS)	7478	Systems Engineering and Design	D315	B
Jack	Beuth	Carnegie Mellon University	722981	MRI: Acquisition of an Environmental Scanning Electron Microscope for Visualization, Characterization and Manipulation of Nanoscale Systems	Major Research Instrumentation (MRI)	1189	Other Programs and Initiatives	F1	A
Bogusz	Bienkiewicz	Colorado State University	521046	MRI: Acquisition of an Infrastructure for Real-Time Testing of Wind Effects on Structures	Major Research Instrumentation (MRI)	1189	Other Programs and Initiatives	F2	C
Yip-Wah	Chung	Northwestern University	619284	Building a State-of-the-Art Laser-Based Surface-Texturing Instrument	Major Research Instrumentation (MRI)	1189	Other Programs and Initiatives	F3	D
Daniel	Cox	Oregon State University	723277	MRI: Acquisition of a Large-Stroke, Piston-Type Wavemaker for Coastal Hazards Research and Education	Major Research Instrumentation (MRI)	1189	Other Programs and Initiatives	F4	B

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Kalpana	Katti	North Dakota State U Fargo	821655	MRI: Acquisition of a Multipurpose Analytical High-Resolution Transmission Electron Microscope for Research and Education in NDSU's Central Multi-User Microscopy Facility	Major Research Instrumentation (MRI)	1189	Other Programs and Initiatives	F5	E
Mala	Sharma	Bucknell University	619232	Acquistion of Instrumentation for Materials Characterization and Nondestructive Evaluation	Major Research Instrumentation (MRI)	1189	Other Programs and Initiatives	F6	A
Muhannad	Suleiman	Lafayette College	820640	MRI: Acquisition of State-of-the-Art Soil-Structure Interaction Facility	Major Research Instrumentation (MRI)	1189	Other Programs and Initiatives	F7	C
Igor	Tsukrov	U of New Hampshire	821517	MRI: Acquisition of a Digital Imaging Correlation System to Advance Research, Training and Education in Engineering	Major Research Instrumentation (MRI)	1189	Other Programs and Initiatives	F8	D
John	Wolfe	U of Houston	521523	MRI: Development of an Energetic Atom Beam Lithography System for Nanosystem Prototyping and Manufacturing	Major Research Instrumentation (MRI)	1189	Other Programs and Initiatives	F9	B
Ioannis	Chasiotis	U of Ill Urbana-Champaign	532320	NIRT: Novel Experiments and Models for the Nanomechanics of Polymeric and Biological Nanofibers	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F20	A
Robert	Clark	Duke University	609265	NIRT: Hierarchical Bionanomanufacturing	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F21	C

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Liming	Dai	University of Dayton	609077	NIRT: Fabrication of Carbon Nanotube Based Dry Adhesive Surfaces Mimicking Gecko-Feet	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F22	D
Rajesh	Dave	NJIT	506722	NIRT: Environmentally Benign Deagglomeration and Mixing of Nanoparticles	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F23	B
Robert	Hocken	U of NC Charlotte	506898	NIRT: Nanometrology for Nanoscale Science and Engineering	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F24	E
Robert	Hurt	Brown University	506661	NIRT: Micropatterned Nanotopography Chips for Probing the Cellular Basis of Biocompatibility and Toxicity	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F25	A
Anand	Jagota	Lehigh University	609050	NIRT/GOALI: Solution-Based Dispersion, Sorting, and Placement of Carbon Nanotubes	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F26	C
W. Jack	Lackey	GA Tech Res Corp - GIT	403671	NIRT: Electron Beam Chemical Vapor Deposition (CVD) - A New Tool for Manufacturing Nanomaterials and Devices	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F27	D
Michael	Reed	University of Virginia	507023	NIRT: Science and Technology of Nanoporous Metal Films	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F28	B
Mark	Robbins	Gordon Res Conferences	709187	NIRT: Interfacial Forces in Active Nanodevices	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F29	E

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Mark	Robbins	Johns Hopkins University	709187	NIRT: Interfacial Forces in Active Nanodevices	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F30	A
Daniel	Schwartz	U of Washington	709131	NIRT: Protein-aided Nanomanufacturing	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F31	C
Pradeep	Sharma	U of Houston	708096	NIRT: Active Electromechanical Nanostructures Without the Use of Piezoelectric Constituents	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F32	D
Michael	Tsapatsis	U of Minnesota-Twin Cities	707610	NIRT: Precise Building Blocks for Hierarchical Nanomanufacturing of Membranes with Molecular Resolution	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F33	B
Peter	Voorhees	Northwestern University	507053	NIRT: Multiscale Modeling of Nanowire Growth - From Atoms to Wires	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F34	E
Xianfan	Xu	Purdue University	707817	NIRT/GOALI: Development of a Multiscale Hierarchical Nanomanufacturing Tool	Nanoscale Interdisciplinary Reseach Team (NIRT)	1674	Other Programs and Initiatives	F35	A
Placid	Ferreira	U of Ill Urbana-Champaign	749028	NSEC: Center for Nano-Chemical-Electrical-Mechanical Manufacturing Systems\Nano-CEMMS	Nanoscale Science & Engineering Center (NSEC)	1675	Other Programs and Initiatives	F45	A

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Xiaochun	Li	U of Wisconsin Madison	506767	NIRT/GOALI: Fundamental Study of Bulk Magnesium Matrix Nanocomposites Fabricated by Ultrasonic Cavitation Based Solidification Processing	Nanoscale Science & Engineering Center (NSEC)	1675	Other Programs and Initiatives	F46	C
James	Watkins	U of Massachusetts Amherst	531171	NSEC: Center for Hierarchical Manufacturing	Nanoscale Science & Engineering Center (NSEC)	1675	Other Programs and Initiatives	F47	D
Jeremy	Michalek	Carnegie Mellon University	628084	MUSES: Material Use, Infrastructural Change, and Environmental Impacts for Alternative Fuels and Vehicles	Biocomplexity in the Environment (BE): MUSES	1794	Other Programs and Initiatives	F56	D
Nancey Green	Leigh	GA Tech Res Corp - GIT	628190	BE/MUSES Collaborative Research: Materials Flow Modeling For Sustainable Industrial Systems for Urban Regions	Biocomplexity in the Environment (BE): MUSES	1794	Other Programs and Initiatives	F57	B
Steven	Skerlos	University of Michigan	628162	Collaborative Research: Implications of Automotive Greenhouse Gas Policies on Material Flows - A Life Cycle Approach Integrating Engineering, Public Policy, and Market Behavior	Biocomplexity in the Environment (BE): MUSES	1794	Other Programs and Initiatives	F58	E
Cherri	Pancake	Oregon State University	742806	A Virtual Organization to Develop Complex, Multi-scale Models Addressing the Impact of Inundation on Natural and Man-made Environments	Cyberinfrastructure (CI)	7231	Other Programs and Initiatives	F66	A

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Susan	Sinnott	University of Florida	742580	Atomic-scale Friction Research and Education Synergy Hub (AFRESH)	Cyberinfrastructure (CI)	7231	Other Programs and Initiatives	F67	C
Robert	Stone	Missouri University of Science and Technology	742677	Collaborative Research: VOICED - A Virtual Organization for Innovative Conceptual Engineering Design	Cyberinfrastructure (CI)	7231	Other Programs and Initiatives	F68	D
David	Keffer	U of Tennessee Knoxville	730207	EXP-LA/Collaborative Research: Exploiting Geometry and Chemistry at the Nanoscale to Selectively Preconcentrate Explosive Molecules	Explosives & RLTD Threats EXP	7653	Other Programs and Initiatives	F86	A
Francesco	Lanza di Scalea	U of Cal San Diego	729760	EXP-SA: Wavelet Feature Extraction and Pattern Recognition in Imagery Surveillance for Detecting Roadside Explosives	Explosives & RLTD Threats EXP	7653	Other Programs and Initiatives	F87	C
Yu	Lei	Univ of Connecticut	730826	EXP-LA: Real-time, Compact, and Ultra-sensitive Sensor Arrays for Explosives Vapor Detection	Explosives & RLTD Threats EXP	7653	Other Programs and Initiatives	F88	D
Jerzy	Leszczynski	Jackson State University	730186	EXP-LA/Collaborative Research: Exploiting Geometry and Chemistry at the Nanoscale to Selectively Preconcentrate Explosive Molecules	Explosives & RLTD Threats EXP	7653	Other Programs and Initiatives	F89	B
Shelley	Minteer	Saint Louis University	729810	EXP-SA: Self Powered Explosives Sensors	Explosives & RLTD Threats EXP	7653	Other Programs and Initiatives	F90	E

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Elisabeth	Smela	University of Maryland, College Park	731090	EXP-LA: Olfactory Receptor Cell-Based Detection of Explosives	Explosives & RLTD Threats EXP	7653	Other Programs and Initiatives	F91	A
Jeff	Wang	Johns Hopkins University	730503	EXP-SA/Collaborative Research: Ultratrace Detection of Explosives Enabled by an Integrated Microfluidic Nanosensing System	Explosives & RLTD Threats EXP	7653	Other Programs and Initiatives	F92	C
Barbara	Cutler	Rensselaer Polytech Inst	835762	CDI-Type I: Fundamental Terrain Representations and Operations	CDI Type I	7750	Other Programs and Initiatives	F99	B
Satyandra	Gupta	U of MD College Park	835572	CDI-Type I: High-Performance Simulations and Interactive Visualization for Automated Nanoscale Assembly	CDI Type I	7750	Other Programs and Initiatives	F100	E
Petr	Plechac	U of Tennessee Knoxville	835582	CDI-Type II/Collaborative Research: Hierarchical Stochastic Algorithms for Materials Engineering.	CDI Type II	7751	Other Programs and Initiatives	F104	A
Rebecca	Cortez	Union College	824341	BRIGE: Morphological Characterization of Nanomaterials by Atomic Force Microscopy	BRIGE		Other Programs and Initiatives	F107	A
Omolola	Eniola-Adefeso	University of Michigan Ann Arbor	824182	BRIGE: Engineering Spheroidal Particles for Drug Delivery - A Novel Approach to Vascular Targeted Therapies	BRIGE		Other Programs and Initiatives	F108	C

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Elizabeth	Ervin	University of Mississippi	824227	BRIGE: Infrastructure Health Evaluation via Experimental Techniques	BRIGE		Other Programs and Initiatives	F109	D
Andrea	Hodge	University of Southern California	824059	BRIGE: Processing of Metallic Thin Films via Magnetron Sputtering	BRIGE		Other Programs and Initiatives	F110	B
Michele	Manuel	University of Florida	824352	BRIGE: "Smart" Toughness Enhancement in Metal-Matrix Composites: Linking Structure, Properties and Design	BRIGE		Other Programs and Initiatives	F111	E
Judith	Wang	Colorado School of Mines	819106	BRIGE: Validating an Intrinsic Damping Model for the Dynamic Response of Soil-Structure Systems	BRIGE		Other Programs and Initiatives	F112	A
Reha	Uzsoy	North Carolina State U	817223	Workshop: Healthcare Engineering and Health Services Research: Building Bridges, Breaking Barriers; Raleigh, North Carolina; April 6-8, 2008	Other		Other Programs and Initiatives	F116	C
Joe	Cecil	Oklahoma State	423907	NSF/CONACyT: Gripping and Assembly of Micro Devices	Other		Other Programs and Initiatives	F117	D
Robert	Bea	U of Cal Berkeley	836047	EFRI-RESIN: Assessing and Managing Cascading Failure Vulnerabilities of Complex, Interdependent, Interactive, Adaptive Human-based Infrastructure Systems	Other		Other Programs and Initiatives	F118	B

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Mysore	Narayanan	Miami University	narayam(	Interdisciplinary Research: Assessment of Mechanical Engineering Program Educational Objectives and University General Education Requirements	Non Grantee		Other Programs and Initiatives	F119	E
Christina	Young	Rutgers University		Multi-Objective Optimization of a Port-of-Entry Inspection Policy	Non Grantee		Other Programs and Initiatives	F120	A