

Louisiana Tech University

**BREEZE BULLETIN**Office of University Research (<http://research.latech.edu>)

Happiness is not a state to arrive at, but a manner of traveling.

Margaret Lee Runback

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2013-14 TECH FRINGE RATES

Please note the 2013-14 Fringe Rates below:

Faculty/Unclassified/Post Doc: 46.47%
 Civil Service: 51.27%
 Temporary/Part-time: 9.96%
 DROP: 19.97%

Click the following link to download a pdf chart: http://research.latech.edu/files/documents/2013-14_fringe_benefit_rates.pdf.

IN-HOUSE WORKSHOPS

- **Grants.gov** - January 29 @2-3pm WT1535.
- **Funding Sources** - February 26 @2-3pm WT1535

To ensure a seat, please register via e-mail to bfree@latech.edu to reserve your spot.

For a full list and description of in-house workshops, go to http://research.latech.edu/resources/training_workshops/latech_workshops.

Warm wishes for a safe & happy Holiday!!

**NSF Advisories (posted December 5, 2013)*****Attention Research Organizations: Upcoming changes to FastLane proposal checks for Preliminary proposals and Supplementary funding requests:***

On December 21, 2013, NSF's FastLane system will no longer provide 'Required Item' or 'Warning' messages if the following sections are not included in a preliminary proposal or supplemental funding request: project description; references cited; biographical sketches; budget; budget justification; current & pending support; and facilities, equipment & other resources.

Prior to submission of a preliminary proposal or supplemental funding request, proposers are strongly encouraged to perform an administrative review to ensure that the submission complies with applicable instructions. Automated compliance checking and enforcement for other proposal types will continue. Additional information on automated compliance checking of NSF proposals in FastLane is available at: <http://www.nsf.gov/bfa/dias/policy/autocompliance.jsp>.

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Attention: For those submitting a proposal in response to the Improving Undergraduate STEM Education (IUSE) Program Description (NSF PD 14-7513)

When providing the data associated with the cover page, please select the appropriate IUSE option (e.g., IUSE: IUSE Projects or IUSE: Ideas Labs) from the drop-down menu on the Project Data Form. Attention: For those submitting a proposal in response to the Improving Undergraduate STEM Education (IUSE) Program Description (NSF PD 14-7513)

NEW GRANTS AWARDED

PI/Co-PI	Title	Funding Agency	\$ Awarded
Dave Norris	<i>The Thingery</i>	LBIA	25,000
David Mills	<i>LaSPACE GSRA Boyer - Drug Infused Nanocoatings</i>	NASA/LaSPACE	5,000
Erez Allouche	<i>Experimental Evaluation of Infinite Pipe - Mechanical Performance and Design Considerations</i>	PipeMedic	49,979
Hisham Hegab	<i>GSRA Graduate Student Research Assistance/Shawn Le</i>	NASA/LaSPACE	5,000
Sandra Zivanovic	<i>COMSOL Modeling and Fabrication of Polymer Solar Cells</i>	NASA/LaSPACE	6,000
David Merchant	<i>First National Bank Bienville Parish 3</i>	LWC	33,915
August 2013			Total: \$1,066,152.0
Guy Carwile	<i>HABS Drawings: David Flesh House</i>	National Park	8,000
Don Liu	<i>An Efficient Model of Disperse Flows at Low to Moderate Reynolds Numbers</i>	NSF	161,041
Jun-Ing Ker	<i>Operation Efficiency Analysis for HML Enterprises' Fertilizer Plant in Acadia</i>	HML Enterprises	4,966
Niel Crews	<i>Real-Time Characterization of DNA Binding Energy as a Biological Radiation Dosimeter</i>	NASA/BoR	1,140,000
Jamie Newman	<i>Louisiana Tech Seminar Series on Science & Society</i>	Lincoln Health	5,630
Erez Allouche	<i>Experimental Investigation of Leakage in Annular Space Between Host Pipe and Liner</i>	Sanexen	41,480
Donna Hood	<i>2013-14 Carl Perkins Basic Grant</i>	US DoEdu/NLTC	32,5085
Stan Napper	<i>Computational Study of Surface Interaction Between Peptides and Graphitic Surfaces</i>	AFRL through Clarkson	303,900
John McDonald	<i>Catalyst Development for Fischer-Tropsch Synthesis</i>	American Strategic	458,475
September 2013			Total: \$2,426,000
Vir Phoha	<i>Context-aware Active Authentication Using Touch Gestures, Typing Patterns</i>	DARPA	366,972
Erez Allouche	<i>Experimental Evaluation of Geopolymer and 'Lunamer' Binders as Radioactive</i>	NASA	50,638
October 2013			Total: \$417,610
Daniela Mainardi	<i>Northern Louisiana Regional Collaborative</i>	Univ. of Texas Austin	93,286
Nazimuddin Wasiuddin	<i>Civil Engineering Senior Design Project: Segment I (LA1-LA173) of I-49 North in Caddo Parish</i>	LTRC	5,000
Joanne Hood	<i>REAP Formula Grant</i>	US Dept. of Edu. Southern Trenchless	37,802
Carlos Montes	<i>Materials Testing for Southern Trenchless</i>	Southern Trenchless	2,600
Jenna Carpenter	<i>NCWIT Extension Services Mini-Grant Application</i>	NCWIT	8,000
Erez Allouche	<i>Evaluation of Resin Impregnated Fiberglass Liner Material Used in CIPP Applications Following ASTM D2992-12 Procedures</i>	Applied Felts	66,734
Mark DeCoster	<i>2D and 3D Systems for Evaluating Potential Glutamate Involvement in TBI</i>	DOD	39,100
Dave Norris	<i>Arkansas/Louisiana Coordinating Council Project</i>	EDA/Univ. of	25,000
Erez Allouche	<i>Pickle Jar Testing of Diamond Plastics' PVC Pipe</i>	Diamond Plastics	9,400
November 2013			Total: \$287,822
Patrick O'Neal	<i>Non-Invasive Optical Measurements of Edema Supporting CHF-Related Clinical Interventions</i>	LSU-HSC	25,000
Frank Igou	<i>Louisiana State Police Commission Entrance Screening for Cadets</i>	IHSP/LSU/SHV	19,000
William Patterson	<i>Evaluation of Forest Community Composition, Structure, and Succession Nineteen Years After Planting the Cajun Electric Site, DeSoto Parish, Louisiana</i>	Wildlife Habitat Council/US Fish & Wildlife	12,000
December 2013			\$56,000
2013-14 YTD:			\$5,597,337

PROPOSALS SUBMITTED

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$ Requested
14-007	Wang, Jay		Calibration of Region-Specific Gates Equation for LRFD	LTRC	90,000
14-008	Kupwade-Patil, Kunal	Allouche, Erez	Analysis of Pore Structure of Geopolymer Concrete Subjected to Elevated Temperature Using Synchrotron X-Ray Microtomography	APS, Argonne National Lab	0
14-009	Montes, Carlos	Allouche, Erez	Materials Testing for Southern Trenchless	Southern Trenchless	3,000
14-010	Wang, Shengnian		CAREER: Hybrid Field Microfluidics for Nonviral Nanoparticle Synthesis and Cell Reprogramming	NSF	403,221
14-011	Null, Randal		Microwave Induced Electroluminescence	NAVY-CRADA	
14-012	Atkison, Travis		CAREER: Retrofitted Asymmetric Detection for Industrial Control System Mitigation (RADIM) for the Power Grid	NSF	473,246
14-013	Norris, Dave		Arkansas/Louisiana Coordinating Council Project	EDA	25,000
14-014	Norris, Dave		The Thingery	Louisiana Business Incubation Association	25,000
14-015	Newman, Jamie		Louisiana Tech Seminar Series on Science & Society	Lincoln Health Foundation	4,885
14-016	Allouche, Erez	Crews/ Greenwood	Experimental Evaluation of Geopolymer and 'Lunamer' Binders as Radioactive Shielding Materials for Space Applications	NASA	
14-017	O'Neal, Patrick		Non-Invasive Optical Measurements of Edema Supporting CHF-Related Clinical Interventions	LSUHSC	25,000
14-018	Cardenas, Henry		Electrokinetic Abrasion Resistance Enhancement (Modification Phase 3)	A.J. Weller	38,581
14-019	O'Neal, Patrick	Evans, Katie	Real-Time Optical Feedback for the Control of In-Vivo Nanoparticle Concentration	NIH/STTR/ Nanospectrum	307,231
14-020	Wilson, Chester		DOE NNSA Center for Excellence	DOEnergy	4,249,998
14-021	Mainardi, Daniela	Derosa, Pedro	Northern Louisiana Regional Collaborative	Univ. of Texas Austin	75,000
14-022	Wilson, Chester		NNSA Nuclear Security	NNSA	4,249,998
14-023	Weiss, Leland	Lvov, Yuri	Novel Phase Change Insulation for Energy Efficiency in Structures	NSF	
14-024	McDonald, John	McDonald, John	Catalyst Development for Fischer-Tropsch Synthesis	American Strategic Innovations	448,485
14-025	Allouche, Erez	Simicevic/ Crews	Experimental Evaluation of Geopolymer and 'Lunamer' Binders as Radioactive Shielding Materials for Space Applications	NASA Stennis	50,000
14-026	Allouche, Erez	Montes, Carlos	Alternative Materials for Constructing Post-Combustion Amine Scrubbing Plants	NineSigma	60,000
14-027	Rutledge, Julie	McCollum/ Erickson	Promoting Health Among Children	BoR/RCS	200,000

PROPOSALS SUBMITTED (CONT'D FROM PAGE 3 . . .)

* FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
14-029	Moore, Arden		Novel Materials for Enhanced Thermal Management of Flexible Electronics	BoR/RCS	175,000
14-030	Que, Long		On-Chip Single Cell Optical Transfection	BoR/Pfund	10,000
14-033	Moore-Caldorera, Mary		Degradable Nano-Patterned Biofilms for Localized Delivery of Therapeutic Agents After Tumor Resection	BoR/RCS	175,000
14-034	Wilson, Chester		Highly Specific Radiological Detectors and Nuclear Waste Remediation Systems for Louisiana Homeland Security and Energy Industries	BoR/ITRS	
14-037	Tewari, Sanjay		Removal of Bromide and Other Impurities From Hydraulic Fracturing Waste/produced Water With Capacitive Deionization and Carbon Aerogel	BoR/RCS	146,426
14-038	Sherer, Eric		Automated Abstraction of Serial Colonoscopy Results From EMR Text	BoR/RCS	180,000
14-040	Siddiqui, Shabnam		Understanding the Mechanism of Energy Storage in Carbon Nanomaterial Based Supercapacitors	BoR/RCS	180,000
14-041	Newman, Jamie		High-Throughput Screen to Identify Role of Natural Compounds in Development	BoR/RCS	150,000
14-042	Arumugam, Prabhu		Development of a Highly Reliable Boron-doped Ultrananocrystalline Diamond Microsensor for Chronic Monitoring of Neurochemicals	BoR/RCS	190,000
14-043	Wick, Collin		Computational Studies of Ion and Acid-Base Dissociation Reactions at Aqueous Interfaces	NSF	301,006
14-045	Liu, Pei		Developing & Implementing Food Safety Education Program in Louisiana Correctional Facilities	BoR/RCS	200,000
14-047	Newman, Jamie		The Role of Mediator in Regulating the State of Mensechymal Stem Cells	BoR/Pfund	10,000
14-048	Jaganathan, Arun	Simicevic/Hall	Development of Multi-Sensor Based Obstacle Detection System to Prevent Underground Utility Strikes in Horizontal Directional Drilling	BoR/ITRS	340,000
14-049	Que, Long		Collaborative Research: A New Generation of Energy Harvesting Roads With Carbon Nanotube Film Energy Cells	NSF	125,979
14-050	Bishop, Thomas		Combining MD and Big Data to Achieve Comparative Computational Genomics	BoR/RCS	255,000
14-051	Crittenden, Kelly	Tims/Swanbom	TechSTEP Portion of CaddoSTEAM	Cyber Innovation Center	59,346
14-052	Liu, Don		Model Development in SIMULOCEAN for Northern Gulf Coastal Hazard Collaboration	BoR/NSF	20,000
14-053	Gunasekaran, Alfred	Weiss/Que	Acquisition of Surface Profilometer, White-light Interferometer and Multiferoic Measurement Tester for Miniature Energy and Electronic Security Systems	DURIP	209,750

(*Missing File #'s denote withdrawn proposals)

(Cont'd on page 5)

PROPOSALS SUBMITTED (CONT'D FROM PAGE 4 . . .)

(*)FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
14-054	Hollins, Bryant		A Rapid, Highly Sensitive Capillary Electrophoresis Method for Detecting Protein-Centered Radicals	BoR/Pfund	10,000
14-055	Derosa, Pedro		Understanding & Improving the Interface Between Nanoinserts and the Matrix in Nanocomposites	NSF	458,813
14-056	Maness, Teresa		Secondary Immune Response & Immunological Memory in a Free-living Vertebrate	BoR/Pfund	10,000
14-057	Murray, Teresa		Time-course Studies of Molecular and Cellular Dynamics Using Multiphoton Microscopy	BoR/Pfund	10,000
14-058	Gentry, Laura		Development of an Objective Temperament Test for Horses	BoR/Pfund	10,000
14-059	Ker, Jun-Ing		A Learning Factory for Continuous Quality Improvement: A Pilot Study	BoR/Pfund	10,000
14-060	Hood, Donna	Crawford, Gail	2013-14 Carl Perkins Basic Grant	NLTC	32,508
14-061	Schillinger/ Vincent/Deese	Schroder/ Crittenden/ Basinger	UTEACH@LaTech	UTEACH Institute	1,424,473
14-062	Arumugam, Prabhu		Experimental Investigation of Porous Ultrananocrystalline Diamond Electrodes for High energy Density Supercapacitors	BoR/Pfund	10,000
14-063	Radadia, Adarsh		Surface Engineering of Graphene for Organic Photovoltaics	BoR/Pfund	10,000
14-064	Moore, Arden		Investigation of Thermal and Electrical Transport in Metallic Nanostructures	BoR/Pfund	10,000
14-065	Merchant, David	Choate, Jaicee	Green Clinic Consortium #3	Louisiana Workforce Commission	114,796
14-066	Jaganathan, Arun	Simicevic, Neven	Development of Novel Magnetostriction Based Sensing for Health Monitoring of Critical Structures	BoR/Pfund	10,000
14-067	Mainardi, Daniela	Murray, Erica	NOx Sensing at Porous ZrO2-based Electrolyte Sensors	BoR/Pfund	10,000
14-068	Hindmarsh, Patrick		Using a Combination of Several Antifungal Drugs to Control Growth in Candida Albicans	BoR/Pfund	10,000
14-069	Newman, Jamie		Understanding the Impact of Exogenous Estrogen on Cellular Differentiation & Development	LBRN/INBRE	160,000
14-070	Hollins, Bryant		A Rapid, Highly Sensitive Capillary Electrophoresis Method for Detecting Protein-Centered Radicals	LBRN/INBRE	160,000
14-071	DeCoster, Mark		Looking at the Lipid Phosphate Role on Blood-brain Barrier: Possible Investigation Approaches by 2D and 3D Cell Culture Systems	LSUHSC	10,000
14-072	Selmic, Rastko		Advanced Programming and Teaching Interfaces for Autonomous System Control	DOD/SBIR	35,000
14-073	Selmic, Rastko		Technologies for Low-Bandwidth, High-Latency Unmanned Ground Vehicle Control	DOD/SBIR	35,000
14-074	Dai, Weizhong		Advanced 3D Computational Model & Experimental Verification for the Development of Drug-eluting Coatings for Arterial Pharmacokinetics	LSU	24,944

(*Missing File #'s denote withdrawn proposals)

(Cont'd on page 6)

PROPOSALS SUBMITTED (CONT'D FROM PAGE 5 . . .)

(*)FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
14-075	Phoha, Vir	Karim/M.O'Neal	Using Behavioral Biometrics for Identity Verification in Online Learning Environments	NSF	936,987
14-076	Mills, David	Shultz/Siriwardane	MySci: A Personalized Science Experience for Undergraduates	Howard Hughes Medical Institute	2,227,320
14-077	O'Neal, Patrick		Non-Invasive Optical Measurements of Edema Supporting CHF-Related Clinical Interventions	LSU-HSC	25,000
14-081	Carpenter, Jenna	Gourd/Zivanovic	NCWIT Extension Services Mini-Grant Application	NCWIT	8,000
14-082	Arumugam, Prabhu	Siddiqui, Shabnam	Transforming Traumatic Brain Injury Detection Technologies Through Innovative Diamond Microarray Biosensors	LBRN/INBRE	160,000
14-083	Gunasekaran, Alfred	Eklund/O'Neal	Acquisition of Raman Spectrometer for Graphene-based Sensors, Bioscience, and Polymer Characterization	DOD/DURIP	194,781
14-084	Radadia, Adarsh		Point-of-care Microelectronic Diagnostics for Early Phase Rickettsial Infections	LBRN/INBRE	160,000
14-085	Wasiuddin, Nazimuddin		Civil Engineering Senior Design Project: Segment I (LA1-LA173) of I-49 North in Caddo Parish	LTRC	5,000
14-086	Atassi, Ahmad		The Making and History of the Earliest Muslim Biographical Dictionary: Ibn Sa'd's Kitab al-Tabaqat al-Kabir	BoR/ATLAS	31,337
14-087	Lvov, Yuri		Nanoparticles Toxicity Tests With 'Cyborg' Cells and Model Microworms	CRDF Global Program	15,000
14-088	Berg, Jerry		A Joining of Time: The 13th Century Altar to 21st Century Contemporary Realism. The Way of Sorrows Composed	BoR/ATLAS	50,000
14-089	Phoha, Vir	Karim/O'Neal M./Serwadda/Walczyk	Developing Behavioral Biometrics for Identity Verification in Constrained Environments	NSF	1,305,823
14-090	Que, Long		Integrating Moth-Eye Nanostructures and Nanomaterials for Efficiency Improvement of Energy Harvesting Devices	LaSPACE/NASA	37,529
14-092	Igou, Frank	Desselles/Sheets	Louisiana State Police Commission Entrance Screening for Cadets	IHSPP/LSU/SHV	19,000
14-093	Cox, Marilyn	Webb, Nicole	Improvements to the Sophomore, Junior, and Senior Level Laboratory Experiences at Louisiana Tech University	BoR/ENH	70,988
14-094	Selmic, Rastko		System for Classification of 3D Dynamic Hand Gestures	Google	54,000
14-095	Jones, Steven		Interaction Between Positive and Negative Feedback in Platelet Adhesion	NIH	333,978
14-096	Radadia, Adarsh	Zivanovic/P.O'Neal	Acquisition of Raman Microscopy for Characterization of Macro-to Nanoscale Systems	BoR/ENH	86,100
14-097	Wick, Collin		Development and Testing of Computational Tools for the Prediction and Understanding of Gas-Liquid Nucleation	NSF	63,360
14-098	Voziyanov, Yuri		Genome Engineering by Hybrid Flp-TAL and Cre-TAL Recombinases	NIH	1,594,971
14-099	Heiden, Kathleen	Chen/Erickson/Pumphrey	Healthy Reflections: College Students' Influence on High School Adolescents' Self-Image	BoR/ENH	30,464

(*Missing File #'s denote withdrawn proposals)

(Cont'd on page 7)

PROPOSALS SUBMITTED (CONT'D FROM PAGE 6 . . .)

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
14-100	Selmic, Rastko		Adaptive Closed-Loop Control for Aero-thermal Systems	NASA/EPSCoR	180,000
14-101	Jaganathan, Arun	Simicevic, Neven	A Novel Sensor Concept for Structural Health Monitoring of Rotating Machines	BoR/ENH	42,553
14-102	Sherer, Eric		Genetic Algorithms for Pharmacokinetic Model Building	NSF	562,319
14-103	O'Neal, Patrick	Moore/Hegab/ Eklund	Nanotechnology Lab Enhancement for Nanoparticle Manufacture Education	BoR/ENH	49,947
14-104	Que, Long	Lvov, Yuri	On-Chip Controlled Drug Release and its Application on Single Cell Analysis	NSF	299,748
14-105	Romer, Braden	Szymanski, David	The Effect of Heel Height on Lumbopelvic Rhythm & Electromyography During Anterior Load Lifting	BoR/ENH	188,054
14-106	Greenwood, Dick	Greenwood, Dick	Enhancement of Nuclear Laboratory Facilities at Louisiana Tech	BoR/ENH	47,448
14-107	Vincent, Lindsey	Schillinger/Madden	Acquisition and Installation of the Fish-Eye Projection System to Enhance Undergraduate, Graduate and K-12 Academic Explorations at Louisiana Tech University	BoR/ENH	66,950
14-108	Shaw, John		LaTech Astronomy Program Enhancement Grant	BoR/ENH	54,463
14-109	Murray, Erica	Weiss, Leland	Engine Research for Efficiency & Sustainability Lab Enhancement	BoR/ENH	86,330
14-110	Wells, Steven	Johnston, Kathleen	Standard Model Tests and Nucleon Structure Studies at Jefferson Lab	NSF	583,744
14-111	Liu, Don		A Particle-Resolving Computational Model for Predicting Sediment Entrainment & Mitigating Coastal Erosion	NSF	242,594
14-112	Harbour, Davis		Superconductor Filament Fabrication for Advanced Propulsion Research	LaSPACE/NASA/REA	4,700
14-113	Selmic, Rastko		System for Classification of 3D Dynamic Hand Gestures	LaSPACE/NASA/REA	40,210
14-114	Lvov, Yuri		Bone Cement Doped with Antibiotic Loaded Halloysite Clay for Sustained Antimicrobial Protection	NIH	419,486
14-115	Gurupur, Varadraj		A Person-Centered Health Information Delivery Tool for Dementia Caregivers on an Ontological Semantic Basis	NSF	84,432
14-116	Allouche, Erez	Montes, Carlos	Analysis of Pore Structure of Geopolymer Concrete Subjected to Elevated Temperature Using Synchrotron X-Ray Microtomography	BoR/EPSCoR/ LINK	6,000
14-118	Shepard, Scott		A New Class of Nonlinear Light-Trapping for Photodetectors and Photovoltaic Devices	NSF	360,734
14-119	Patterson, William	Ross, William	Evaluation of Forest Community Composition, Structure, and Succession Nineteen Years After Planting the Cajun Electric Site, DeSoto Parish, Louisiana	Wildlife Habitat Council	24,000
14-120	Palmer, James	Ramachandran, Ramu	Superior Graduate Fellows Supporting Five Centers of Excellence in Engineering 2015-2018	BoR/GRAD FELLOWS	400,000
14-121	Murray, Erica		Microstructural and Electrical Characterization of Novel Porous ZrO ₂ -based NO _x Sensors	NSF	328,867

(*Missing File #'s denote withdrawn proposals)

(Cont'd on page 8)

PROPOSALS SUBMITTED (CONT'D FROM PAGE 7 . . .)

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
14-122	Shoemaker, Sheryl		Increasing Diversity in Doctoral Populations at Louisiana Tech University 2014-2018	BoR/SREB	380,000
14-123	Vincent, Lindsey	Crews/Madden/Schillinger	Steam Fueled STEM	EXXON Mobile Bernard Harris Foundation	71,745
14-124	Dua, Purna	Chowriappa, Pradeep	Investigation of Alzheimer's Disease and AMD Comorbidity Using Feature Mining	NIH	192,813
14-125	Dai, Weizhong	Ramachandran, Ramu	Computational Analysis & Modeling Doctoral Graduate Fellows 2015-19	BoR/GRAD FELLOWS	200,000
14-126	Mills, David		Silicone/clay Nanocomposite Condoms Doped With Enhanced-pleasure and Anti-infective Agents	Bill & Melinda Gates Foundation	100,000
14-127	Arumugam, Prabhu	Siddiqui/Murray	Development of Ultrananocrystalline Diamond Voltammetry Electrodes for In Vivo Neurochemical Monitoring	NIH	119,929
14-128	Deselles, Mari-ta	Sheets, Tilman	Factors Influencing Seatbelt Utilization in Louisiana and Strategies to Improve Usage Rate	LTRC	174,898
14-129	Allouche, Erez	Alam/Barlett	Pickle Jar Testing of Diamond Plastics' PVC Pipe	Diamond Plastics	9,400
14-130	Mills, David		Nanoenhanced Bone Cement with Sustained Releases and Enhanced Material and Mechanical Properties	BoR/OPT-IN/EPSCoR	18,875
14-131	Liu, Don		Big-Data Meshfree Simulation of Complex Flow Phenomena	NSF	195,772
14-132	Selmic, Rastko		Graphical Evolutionary Hybrid Neuro-Observer (GNeuroObs) System	Army SBIR Phase II	200,000
14-133	Selmic, Rastko		Smart Vent Eco Network (SVEcoN) System	BoR/OPT-IN	19,800
14-134	Allouche, Erez		The Development of a Manufacturing Process for High Performance Proppants Using Fly-Ash Based Geopolymer Technology	BoR/OPT-IN	70,000
14-135	Sherer, Eric		Incorporation of Random Effects into Population Balance Models	NSF	177,859
14-136	Gibson, Mark		Louisiana Forest Products Development Center at Louisiana Tech University	LSUAC	28,066
14-137	Que, Long		Neuroendocrine Marker-Based Low Cost Device for Screening of Prostate Cancer	NIH	1,530,998
14-138	Que, Long		Development and Evaluation of a New Generation of Energy Harvesting Cells in Asphalt Pavement	QATAR National Research Fund	125,000
14-139	Wang, Jay		Research on the Wave-Dike-Vegetated Soil Interaction and Erosion Estimate for the Louisiana Coastal Restoration Projects	Louisiana Sea Grant	75,000
14-140	Moore, Arden		Phonon Transport in Wide-Bandgap Semiconductor Devices with Integrated Diamond Thermal Management Materials	DARPA	210,881
14-141	Lvov, Yuri	Null, Randall	Flame-retardant, Anti-fouling, and Anti-corrosive Coating Technology	NSF	0
14-142	Allouche, Erez		Strength and Deformation Testing of Polyurea Spray-on Coating under Internal Pressure	Quest Inspar	20,374
14-143	Singh, Kevin		Sustainable Lighting	EPA	15,000

(*Missing File #'s denote withdrawn proposals)