

Louisiana Tech University



# BREEZE BULLETIN

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

*Where there's a will, there's a way.*

*English Proverb*

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## **2015-16 TECH FRINGE RATES**

Faculty/Unclassified/Post Doc: 47.75%  
 Civil Service: 57.65%  
 Temporary/Part-time: 9.98%  
 DROP: 20.45%

Click the following link to download as a pdf file: [http://research.latech.edu/files/documents/2015-16\\_fringe\\_rates.pdf](http://research.latech.edu/files/documents/2015-16_fringe_rates.pdf).

## **IN-HOUSE OUR WORKSHOPS**

For a complete list of in-house workshops, go to [http://research.latech.edu/resources/training\\_workshops/latech\\_workshops](http://research.latech.edu/resources/training_workshops/latech_workshops).

- **BoR RCS/Pfund & ITRS/Proof of Concept rfps (with Rich Kordal, Director of IP & Commercialization):** September 1, 2-3:30pm WT1535;
- **Routing Proposals at LaTech:** September 9, 2-3pm WT1535.
- **BoR Enhancement rfp:** September 15; 2-3pm WT1535;
- **BoR ATLAS rfp:** September 29, 2-3pm WT1535.

*(See info box on pg. 3 for additional Tech workshops).*

## **Louisiana Consortium Awarded \$20 Million NSF Award: Innovative Research to Propel Advanced Manufacturing and Materials Industries to the Next Level**

(Louisiana Board of Regents)

BATON ROUGE, LA. — A consortium of researchers has put Louisiana's growing advanced manufacturing and materials industries into the national spotlight after being awarded a highly competitive \$20 million grant from the National Science Foundation (NSF). The grant will establish the Consortium for Innovation in Manufacturing and Materials (CIMM), a research collaboration among five of Louisiana's state universities: Louisiana State University (LSU), Louisiana Tech University, Grambling State University, Southern University in Baton Rouge, and the University of New Orleans.

"This significant NSF award contributes directly to the higher education goals we have set for the state," said Dr. Joseph C. Rallo, Commissioner of Higher Education. "It is particularly noteworthy that our institutions and the business community are partnering in initiatives critical to the future economic well-being of Louisiana."

The 5-year Research Infrastructure Improvement (RII) Track-1 award from the NSF's Experimental Program to Stimulate Competitive Research (EPSCoR) will have a tremendous impact on the State, launching the next level of research and development for the materials and advanced manufacturing industries. Researchers will address the fundamental building blocks of metal and alloy materials on a scale ranging from millimeters down to nanometers. The overarching goal of CIMM is to accelerate manufacturing technology development by combining supercomputer modeling and simulation with physical experimentation in a shared specialized research lab hosted at LSU. The computational research will be conducted through the Louisiana Optical Network Initiative (LONI) network and has tremendous advantages because many of the preliminary experiments can be conducted virtually on each campus, greatly speeding up discovery time and testing of novel materials.

Strategic investments over the past 20 years in experimental and computational materials research and infrastructure have yielded significant opportunities for long-term growth in Louisiana. CIMM directly capitalizes on the successes of Louisiana's 2010 NSF RII award, which established the successful Louisiana Alliance for Simulation-Guided Materials Applications (LA-SiGMA) and wraps up this fall.

(Cont'd on pg. 3)

## NEW GRANTS AWARDED

PI/Co-PI	Title	Funding Agency	\$ Awarded
Mike Swanbom	<i>Cyber Discovery 1.0</i>	DHS/Cyber Innovation Center	206,250
Jeremy Mhire	<i>Cyber Discovery 2.0</i>	DHS/Cyber Innovation Center	164,910
Joshua Adams	<i>Maintaining Eastern Cottonwood Clones for In Vitro Processing for Futuragene© 2015</i>	Futuragene	5,502
Leon Iasemidis	<i>Anesthetic Depth Monitor Senior Design Formal Project Proposal</i>	The Biomedical Research Foundation	14,000
N. Wasiuddin	<i>Top Coat Material Testing</i>	CenturyLink	16,222
Jean Gourd	<i>High School A.P. Computer Science Curriculum</i>	DHS/Cyber Innovation Center	37,500
Pattie McFadden	<i>Sexual Health: Raising STI Awareness</i>	Lincoln Health Foundation	4,800
Tilman Sheets	<i>Solution Architect Research Project</i>	Computer Sciences Corporation	100,000
Mark Gibson	<i>Louisiana Forest Products Development Center at Louisiana Tech University</i>	LSU Ag. Center	28,066
Mark Gibson	<i>McIntire-Stennis Cooperative Forestry Research Program - 2015</i>	USDA	46,694
<b>April 2015</b>			<b>Total: 623,944</b>
Dave Norris	<i>I 20 Corridor Maker Space Innovation Network</i>	US Dept. of Commerce	499,959
Fatmir Menkulasi	<i>Development of a Composite Bridge System for Short and Medium-Span Bridges</i>	LTRC	30,000
Shaurav Alam	<i>High Strength Super Light Weight Concrete for Transportation Infrastructures</i>	LTRC	29,977
Chester Wilson	<i>Nanostructured Doped Polymers for Aerospace Shielding Applications/N. Groden</i>	NASA/LSU/LaSPACE	5,000
Lelaine Dornier	<i>Kinesiology</i>	Affinity Health Group	12,000
Teresa Murray	<i>GRIN Lens Implant for Preclinical In Vivo Documentation of TBI WM Damage and Drug Effects</i>	NIH	211,769
<b>May 2015</b>			<b>Total: 788,705</b>
Rastko Selmic	<i>Integrated Monitoring AWAReNess Environment (IM-AWARE)</i>	NASA STTR/American GNC	34,322
Jamie Newman	<i>Fluorescence Imaging for Undergraduate Cell and Molecular Biology</i>	Board of Regents	66,000
Elaine Thompson	<i>North Louisiana History and Culture since the Civil War: A Symposium</i>	Board of Regents	17,420
Carlos Montes	<i>Analysis of the Methods of Determination of Geopolymer Content in a Solidified Cementitious Product</i>	Quadex, Inc.	4,270
Jay Wang	<i>Soil Binding Ability of Natural Vegetation Spartina Alterniflora Established on Dredged Soils in Louisiana Coastal Area</i>	Coast Protection & Restoration Authority/LSU	50,000
Bryant Hollins	<i>A Novel Small Animal Sleep Deprivation Method</i>	LaSPACE/GSRA	5,000
Henry Cardenas	<i>Electrokinetic Nanoparticle Treatment Pilot Study - Broadmoore Lift Station</i>	City of Shreveport	7,000
Henry Cardenas	<i>Electrokinetic Nanoparticle Treatment for Mitigation of Biological Corrosion at South Highlands Lift Station</i>	City of Shreveport	5,500
Henry Cardenas	<i>Electronic Crack Repair of Wall-Floor Joint at Querbes Lift Station</i>	City of Shreveport	5,500
Carlos Montes	<i>Development of Lunar Regolith Based Geopolymer Concrete in Vacuum</i>	NASA/LSU/	5,000
Don Schillinger	<i>COE/SciTEC/CIC STEAM Curriculum Alignment</i>	DHS/CIC	28,937
N.Waziuddin	<i>Accelerated Heavy Vehicle Load Testing, Milling and Repaving of Apical System</i>	CenturyLink	38,100
Jamie Newman	<i>Louisiana Tech Summer Series</i>	Lincoln Health Foundation	3,029
Jean Gourd	<i>High School A.P. Computer Science Curriculum</i>	DHS/CIC	151,692
<b>June 2015</b>			<b>Total:</b>
<b>Total 2014-15 YTD:</b>			<b>7,735,684</b>

**LOUISIANA CONSORTIUM ... (CONT'D FROM PG 1)**

“LA-SiGMA was a huge success and paved the way for the launch into advanced manufacturing. The long-term state investments and intercampus collaborations leading up to this timely NSF award have been invaluable,” said Dr. Michael Khonsari, project director of Louisiana EPSCoR and Associate Commissioner for Sponsored Programs at the Louisiana Board of Regents. “CIMM will be critical to boosting Louisiana into an internationally competitive position in the advanced manufacturing and materials industries.”

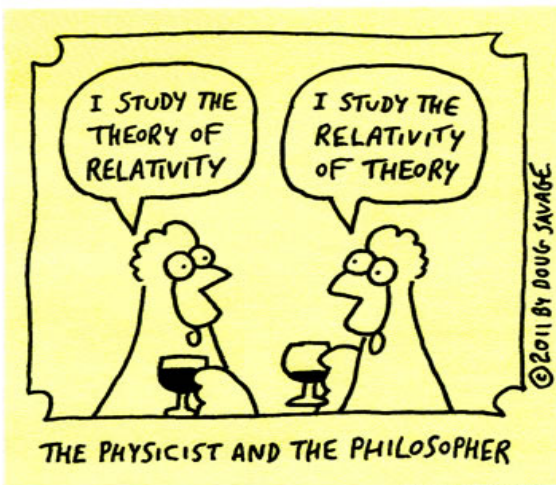
Partnerships will be forged with Louisiana businesses to further leverage the State’s assets to educate and train the specialized workforce needed for this growing industry that heavily relies on computer technology to produce high precision products. CIMM researchers will engage with Louisiana students in all grade levels to encourage them to explore disciplines in science, technology, engineering and mathematics (STEM). Outreach activities will range from hands-on public demonstrations to summer research experiences with university mentors. In particular, CIMM researchers will focus on broadening the participation of underrepresented minorities in STEM disciplines by directly involving students from community colleges, the Louisiana School for the Visually Impaired, and the two minority-serving collaborators, Southern University and Grambling State University.

For more information, go to: <https://web.laregents.org/2015/08/03/louisiana-consortium-awarded-20-million-nsf-award-innovative-research-to-propel-advanced-manufacturing-and-materials-industries-to-the-next-level/>.

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**Savage Chickens**

by Doug Savage

**Additional Tech Workshops:**

Responsible Conduct of Research - September 25,  
3:30-5pm, IfM Auditorium

Culture of Lab Safety - October 30, 3:30-5pm,  
IfM Auditorium

Export Control - November 13, 3:30-5pm,  
IfM Auditorium

(Meet and mingle in the Lobby at 2:30 before each workshop. Refreshments provided!)

**ADDITIONAL GRANT FUNDING FOR EXISTING AWARDS**

- S. Napper, *Computational Study of Surface Interaction Between Peptides and Graphitic Surfaces*, AFRL/Clarkson Aerospace: \$73,000;
- M. O’Neal, *Context-aware Active Authentication Using Touch Gestures, Typing Patterns and Body Movement*, DOD/Airforce: \$433,732.

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## PROPOSALS SUBMITTED

* FILE #	PI	Co-PI 's	TITLE	AGENCY	\$ Requested
15-244	O'Neal, Patrick		OPTICALLY-BASED CLINICAL MEASUREMENTS OF EDEMA SUPPORTING CHF-RELATED PHARMACOLOGICAL INTERVENTIONS	Malcolm Feist PAC	25,000
15-245	Karim, Md		Context Sensitive Communication using Causal Entropic Forces	DOD/DARPA	434,852
15-246	Selmic, Rastko		Formation Of A Swarm Of Unmanned Aerial Vehicles For Precision Agriculture And Forest Products Mapping	USDA	182,131
15-247	Orr, Marisa	Evans/Meng/Crow	MATH: EAGER: Mathematics Skills Assessments	NSF	275,716
15-248	Turner, Galen	Crittenden/Schillinger	Track 1 EI: u-Discovery - Computing Across the Curriculum	NSF	1,249,422
15-249	Moore, Arden		Use of Hexagonal Boron Nitride Nanomaterials as Ultra-low Profile Heat Spreaders for Hot Spot Remediation in Modern Electronics	Semiconductor Research Corporation	267,000
15-250	Napper, Stan		Cyber-Spectrum Research and Technology Development Virtual Environment (CSPEC-DVE) for ROTC Students	Clarkson Aerospace/DOD	375,000
15-251	Dickey, Lore	Thomas, Donna	Suicide Prevention & Awareness	USDA/SAMHSA	206,890
15-252	Newman, Jamie		Mediator Subunits Identify Potency of Mesenchymal Stem Cells	NSF	300,000
15-253	Adams, Josh		Impact of Crown Architecture on Main Physical and Chemical Attributes of Intensively Managed Tree Crops	USDA/AFRI	157,011
15-254	DeCoster, Mark	Lvov/Murray T.	EAGERS for Cellular Biomanufacturing: "2D and 3D Bioreactors with Multi-Scale High-Aspect Ratio Structures (HARS)"	NSF	0
15-255	Evans, Katie	Orr, Marisa	Research Experiences for Grand Challenge Scholar Program Apprentices	Keck Foundation	314,103
15-256	Iasemidis, Leon	Vlatchos, Ioannis	Characterization of In Vivo Biosignal Dynamics as Quantitative Biomarkers of SUDEP	Citizens United for Research in Epilepsy (CURE)	125,000
15-257	O'Neal, Mike	Karim, Md	UPriMa: A System for User-Centric Privacy Management (TA2)	DARPA	1,373,422
15-258	Alam, Shaurav	Iseley/Murray E.	Testing of Mirteq Structural Resin System	Mirteq	10,980
15-259	Ross, William	Adams, Heidi/Joshua/Palmer	Forestry Field Day	Claiborne Electric	8,276
15-260	Wilson, Chester		3D Printing of Nuclear Treaty Verification Devices	BoR/EPSCoR	14,000
15-261	Dua, Sumeet		Consortium for Cyber Research to Enhance Energy Security and Transmission	Dept. of Energy	1,201,468
15-262	Orr, Marisa		Expanding Access to and Participation in the Multiple Institution Database for Investigating Engineering Longitudinal Development	NSF	115,827
15-263	Hood, Donna		Carl Perkins Basic Grant 2015-16	NIH	14,400

(\*Missing File #'s denote withdrawn proposals)

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

* FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
15-264	Dua, Sumeet		Information Fusion, Indexing and Search Algorithms for Active Cyber Modeling and Intelligence	Clarkson Aerospace/ DOD	518,779
15-265	Wasiuddin, N.	Iseley, Tom	Accelerated Heavy Vehicle Load Testing, Milling and Repaving of Apical System	Century Link	38,100
15-266	Gentry, Laura		Evaluating the Effects of Equine-assisted Activities and Interaction with Undergraduate Students on Self-esteem & Empathy of Children at Risk for Obesity	Horses & Humans Research Foundation	10,000
15-267	O'Neal, Mike		DISPEL: A Distributed Identity Security and Privacy Element	National Institute of Standards and Technology (NIST)	3,053,304
15-268	Montes, Carlos		Analysis of the Methods of Determination of Geopolymer Content in a Solidified Cementitious Product	Quadex, Inc.	4,270
15-269	Jackson, Paul		Evaluation of Longleaf Pine Seedlots for the Prevalence of Hybridization	USDA/Southern Research Station	24,998
15-270	Murray, Teresa		Iterative In Vivo Imaging and Mathematical Modeling of Brain Stem Cell Neurogenesis	NSF	500,000
15-271	O'Neal, Patrick		Medical Device Industry Experience for Optical Biosensing of Drug Exposure	BoR/LINK	5,500
15-272	DeCoster, Mark	Lvov/MurrayT	EAGER: Biomufacturing: "Multi-scale High-aspect Ratio Structures (HARS) for Constructing Dynamic 2D and 3D Cellular Bioreactors"	NSF	300,000
15-273	Norris, Dave		EDA University Conference and Best Practices Review	EDA	100,324
15-274	Trivette, Shawn		Interrogating the Social Dynamics of Access to Local Foods in Rural Communities	Russell Sage Foundation	24,584
15-275	Trivette, Shawn		Interrogating the Social Dynamics of Access to Local Foods in Rural Communities	American Sociological Foundation	7,980
15-276	Choate, Jaicee	Merchant, David	Vintage Realty Co., LLC	IWTP	46,823
15-277	Weiss, Leland		MEMS Opportunistic Energy Harvesting and Power	Radiance Technologies/Navy	0
15-278	Newman, Jamie	Moore, Mary C.	Louisiana Tech Summer Series	Lincoln Health Foundation	3,875
15-279	Igou, Frank	Toaddy, Steve	Proposal to Develop a Selection Test for the New Orleans Civil Service Dept.	City of New Orleans	18,300
15-280	McDonald, John		Catalyst Development for Fischer-Tropsch Synthesis	American Strategic Innovations	114,764
15-281	Hollins, Bryant		Microfluidic Capture and Detection of Nitrosylated Proteins in Biological Samples	NIH	311,317
15-282	Iseley, Tom	Simicevic, Jadranka	Retrofit and Management of Metallic Pipe with Cathodic Protection: Guidance Document on Technical Feasibility and Economic Value	Water Research Foundation	140,000
15-283	Alam, Shaurav	Iseley, Tom	Updates to the Renewal Technology Database Housed on the TTC Server	Battelle Memorial Institute	2,500
15-284	Jaganathan, Arun		Development of a Robust Drill Head Integrated Cross Bore Warning System for Horizontal Directional Drilling (HDD) - Phase 2	DitchWitch	53,777

(\*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	\$
15-285	Jaganathan, Arun		Robotic mapping and installation system for subsurface utility relocation (Phase 2)	SBIR/IA	199,972
15-286	McCoy, Bryan	Schillinger/ Basinger/	Pilot Teacher Preparation Inspection	La. Dept. of Education	14,989
15-287	Wilson, Chester		Polymer Capacitive Sensors for Containment of Security Systems	DOS	150,000
15-288	Dowling, Bobby		North Campus Trails	LOSP/FWA	80,000
15-289	Bishop, Thomas		AREA: Nucleosome Positioning and Mispositioning in the MMTV Promoter	NIH	391,622
15-290	Cardenas, Henry		Electrokinetic Nanoparticle Treatment Pilot Study - Broadmoore Lift Station	City of Shreveport	7,000
15-291	Cardenas, Henry		Electrokinetic Nanoparticle Treatment for Mitigation of Biological Corrosion at South Highlands Lift Station	City of Shreveport	5,500
15-292	Harrison, John	Hooker, Marye	Center for Veteran Services and Success	US Dept. of Education	448,399
15-293	Rutledge, Julie	Chestnut/Yates	Bulldog Book Club Year 3	Lincoln Health Foundation	79,000
15-294	Newman, Jamie	Vincent/Bishop/ Giorno	Molecular Biology: Modules for Understanding DNA	American Society for Biochemistry & Molecular Biology	2,000
15-295	Haskins, Tara		Division of Nursing, Louisiana Tech University Film Project	Entergy Foundation	1,000
16-001	Alam, Shaurav	Murray, Erica	Evaluation of Pipeline Grout via Impedance Spectroscopy	Avanti	1,000
16-002	Alam, Shaurav	Murray, Erica	ASTM G210 Testing of Glass Laminate and Sprayable Coating System Produced by Mirteq Inc.	Mirteq	18,251
16-003	Shipp, Michael		Comprehensive Center for Rehabilitation Technology (CCRT)	LRS	664,266
16-004	Moore, Arden		CAREER: Investigating the Underlying Thermal Transport Processes Important in Multiscale Pool Boiling via a Novel Integrated Instrumentation Approach	NSF	551,255
16-005	Gourd, Jean		High School A.P. Computer Science Curriculum	CIC	151,692
16-006	Sherer, Eric		CAREER: Genetic Algorithms for Pharmacometric Model Building	NSF	546,781
16-007	Maness, Teresa	Hill, Jennifer	Restoration of Monarch Habitat in Northern Louisiana	National Fish & Wildlife Federation	137,847
16-008	Orr, Marisa		CAREER: Empowering Students to be Adaptive Decision-makers	NSF	518,155
16-009	Isley, Tom	Simicevic, Jadranka	Development of a Guidebook for Determining the Value of Research Projects	LTRC	150,000
16-010	Blake, Dewanna		Tobacco Free Lifestyle	Lincoln Health Foundation	3,870
16-011	Hollins, Bryant		CAREER: An integrated microchip for isolating proteomic markers of oxidative stress	NSF	500,000

(\*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	\$
16-012	Wang, Shengnian		Preparing New Carbon/Si Composites for High Performance Energy Storage System	LaSPACE/GSRA	8,000
16-013	Radadia, Adarsh		CAREER: Local Oxidation Nanolithography of Graphene Nanoribbons for Field-Effect Biosensing	NSF	525,000
16-014	Newman, Jamie		Microtopographical Effects on the Differentiation of Mouse Embryonic Stem Cells into Cardiomyocytes	LaSPACE/LURA	6,000
16-015	Selmic, Rastko		LaSPACE LURA (A. Davies): Autonomous Drone-Based Thermal Area Mapping	LaSPACE/LURA	6,000
16-016	Adams, Joshua		Arbogen, Inc. Sweetgum Variety Trial	Arbogen, Inc.	0
16-017	Zivanovic, Sandra		Study of Graphene Oxide for Polymer-Based Photovoltaic Devices	LaSPACE/GSRA	8,000
16-018	Moore, Mary C.		High Surface Area Nanopatterned Hydrogels for Wound Healing and Tissue Scaffolding Applications	LaSPACE/LURA	6,000
16-019	Haskins, Tara	Darland, Nancy	Division of Nursing Lecture Series: Connecting University Students, Healthcare Professionals, Area Leaders and the Community to Improve Healthcare Outcomes	Plum Creek Foundation	8,890
16-020	Moore, Mary C.		Development of Drug Delivery Carrier Systems for Controlled Release of Vasodilator Drugs for Improved Cardiovascular Health of Astronauts	LaSPACE/LURA	6,000
16-021	Murray, T.		Collaborative Proposal: Structural and Functional Evolution of the Phallus in the Archosaur Lineage	NSF	82,098
16-022	Grafton, Tommy	Boyd, Rhonda	Project Northland	Northeast Delta Human Service Authority/DHH	83,402
16-023	Selmic, Rastko		GSRA Andrew Gardner	LaSPACE/GSRA	8,000
16-024	Cardenas, Henry		Electronic Crack Repair of Wall-Floor Joint at Querbes Lift Station	City of Shreveport	5,500
16-025	Grafton, Tommy		North Central Alliance Partners in Prevention	NE Delta Human Service Authority/DHH	50,000
16-026	Vincent, Lindsey	Larson/Campbell/Moore/Turner	LASPACE Undergraduate Research Application - Amanda	LaSPACE/LURA	6,000
16-027	Vincent, Lindsey	Larson/Campbell/Moore/Turner	LASPACE Undergraduate Research Application - Dalton	LaSPACE/LURA	6,000
16-028	Vincent, Lindsey	Larson/Campbell/Moore/Turner	LASPACE Undergraduate Research Application - Jacob	LaSPACE/LURA	6,000
16-029	Vincent, Lindsey	Larson/Campbell/Moore/Turner	LASPACE Undergraduate Research Application - Daniel	LaSPACE/LURA	6,000
16-030	Liu, Pei		The Use of Flipped Classroom Approach in the Hospitality Management Program: An Exploratory Study	FSMEC	960
16-031	Turner, Galen	Basinger, Dawn	STEM-Plus : Louisiana Tech University's Noyce Scholarship Program for Secondary Teachers	NSF	1,447,300
16-032	Wang, Shengnian	Wang, Shengnian	RAP: Yi Lin - Preparation of New C/Si Fibrous Composites for High Performance Energy Storage System	LaSPACE/RAP	39,750

(\*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	\$
16-033	Mhire, Jeremy		Cyber Society Curriculum Development	Cyber Innovation Center	104,000
16-034	Alam, Shaurav		Tensile Creep Testing of Liner Materials as per ASTM D2990	Interplastic Corporation	79,091
16-035	Bryan, Melinda		Effects of Sound Field Amplification on Stanardized Test Scores	American Hearing Research Foundation	20,000
16-036	Wassiuddin, N.		ADDITIONAL REENTRY AND ACCELERATED LOADING TESTS OF APICAL SYSTEM	CenturyLink	107,399
16-037	Moore, Arden		Hierarchical Hexagonal Boron Nitride Nanomaterial Composites for Phase Change Thermal Energy Storage	LaSPACE/RAP	41,680
16-038	Haskins, Tara	Blake/Vincent/Emory	Health Prevention Through Aprilage Technology	Living Well Foundation of WM	75,000
16-039	Rutledge, Julie		Measurement of Child Feeding Practices by Early Childhood Educators	Robert Wood Johnson Foundation	190,000
16-040	Siddiqui, Shabnam		Application of Quantum Computing Technologies for Reducing Loss/decoherence in an Optical Quantum Interferometer	NASA/ESCoR/TAP	1,275
16-041	Sawyer, Lee	Greenwood/Wobisch	High Energy Physics Research at the Energy Frontier at Louisiana Tech	DOE	0
16-042	Rutledge, Julie		Family and Early Educator Dynamic Impact on Children's Nutrition and Growth	BoR/RCS	0
16-043	Iasemidis, Leonidas	Vlachos, Ioannis	Dynamical Analysis of EEG for Differential Diagnosis and Monitoring of Seizures and PNES Following Traumatic Brain Injury	DOD/Army	500,000
16-044	Jones, Steven		Calibration System for Ultrasonic Probes	Vascular Technology Incorporated	4,270
16-045	Moore, Arden		Low Altitude Unmanned Aerial Vehicle (UAV) from Sustainable Materials	LaSPACE/Higher Education/Senior Design	1,525
16-046	Mhire, Jeremy		Cyber-Discovery 2.0 Scenario Development	CIC	81,000

(\*Missing File #'s denote with-drawn proposals)





**DISSERTATION HIGHLIGHTS****Doctor of Philosophy****(August 2015)**

Ms. Nina Krey's dissertation: "Enough is Enough! Environmentally Driven Multisensory Experiences." Dissertation committee members are: (Chair) Dr. Barry J. Babin and members Dr. Bruce L. Alford, Dr. Julie Moulard, and Dr. Adilson Borges.

Ms. Prabhashi Nanayakkara's dissertation: "Perceived Patient Control Over Personal Health Information in the Presence of Context-Specific Concerns". Ms. Prabhashi Nanayakkara's dissertation committee members are: (Chair) T. Selwyn Ellis and members Dr. Tom L. Roberts and Dr. James Courtney.

**FUNDING AGENCY ANNOUNCEMENTS**

The Board of Regents has combined the Support Fund Research Competitiveness Subprogram (RCS) with the Pfund (formerly through Louisiana EPSCoR) and has included a Proof of Concept (PoC) segment to the Industrial Ties Research Subprogram (ITRS). A workshop has been scheduled for September 1 from 2-4:00 in WT1535 to go over these changes (see page 1 under 'Internal Workshops'). Dr. Rich Kordal, Director of Intellectual Property and Commercialization will be present to discuss and answer questions during the ITRS/PoC segment of this workshop (3-4).

For a list of all Board of Regents Support Funds funding opportunities, to go: <https://web.laregents.org/latest-news/> or contact Beth Free, Pre-Award Coordinator at 318-257-5075 or [bfree@latech.edu](mailto:bfree@latech.edu).

**Requests for Proposals**

- USDA (agriculture, livestock, rural grants): <http://nifa.usda.gov/page/search-grant>;
- Grants.gov (most federal agencies, use key-word search to find application & rfp): <http://www.grants.gov/>;
- National Science Foundation (NSF), (special programs, program areas, links to recently announced rfps): <http://www.nsf.gov/funding/>;
- NSF Graduate Fellowship Research Program (extremely diverse and not only for traditional sciences): <https://www.nsfgrfp.org/>;
- NSF Social, Behavioral and Economic Sciences (SBE) funding opportunities: [http://www.nsf.gov/funding/pgm\\_list.jsp?org=SBE](http://www.nsf.gov/funding/pgm_list.jsp?org=SBE)

For more information on additional funding opportunities, go to: [http://research.latech.edu/resources/funding\\_opportunities](http://research.latech.edu/resources/funding_opportunities) or contact Beth Free, Pre-Award Coordinator at 318-257-5075 or [bfree@latech.edu](mailto:bfree@latech.edu).