



BREEZE BULLETIN

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

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IMPORTANT NOTICE REGARDING NIH SUBMISSIONS!!!

All competing research grant programs (mechanisms, such as R01, R03, etc.) will transition from paper submission of the PHS 398 to electronic submission through Grants.gov using the Standard Form 424 Research and Research Related (SF424 (R&R)). Applicants should take careful note of the transition schedule to ensure they are using the appropriate mode of application transmission and application form. Applications for the transition submission date of a mechanism (even if submitted in advance of the date) and thereafter must use the SF424 (R&R) form and be submitted electronically through Grants.gov. See Agency Announcements & Notices at http://research.latech.edu/resources/resource_links.

Natural abilities are like natural plants; they need pruning by study.

Francis Bacon

(1561-1626, British philosopher, essayist, statesman)

2006 ASEE-GSW CONFERENCE MARCH 15

An NSF Workshop on Writing a More Effective Proposal for the Course, Curriculum, Lab Improvement (CCLI) Solicitation Wednesday, March 15, 2006, 1:00 - 4:00 p.m. Sheraton Hotel, Baton Rouge:

Cost: \$35.00

A National Science Foundation (NSF) workshop that will be conducted by Dr. Beville A. Watford, Program Director, Division of Undergraduate Education, on Wednesday, March 15, 2006 from 1:00 to 4:00 p.m.

Why?

The new solicitation for the CCLI program includes significant changes. No more separate tracks for A&I and EMD

Increased emphases on:

- * the STEM education knowledge base
- * building a community of scholars
- * project specific measurable outcomes.

How it works

Participants will work in small groups, responding to questions and short readings.

Expected outcomes: You will be able to:

- * Discuss the new emphases of the CCLI Program
- * List areas where good CCLI proposals can be improved
- * Generate suggestions for improving each area

Who should attend?

- * Faculty who are or want to become educational innovators
- * Faculty planning to submit a grant proposal
- * Dept. Chairs interested in promoting educational reform
- * Grant holders and those who have submitted previous unsuccessful CLI proposals

NEW GRANTS AWARDED

PI	Title	Funding Agency	Amount Awarded
Jo Ann Dauzat	<i>Louisiana Center for the Blind</i>	BoR - LCB	500,000.00
Les Guice	<i>LaTech LONI Grant</i>	BoR	199,200.00
Jo Ann Dauzat	<i>Value Added Teacher Prep. Assessment Program</i>	BoR	50,000.00
Sumeet Dua	<i>CRI</i>	NSF	70,172.00
Guy Carwile	<i>HABS drawings Ghana House</i>	Div Hist Pres	4,257.00
Susan Roach	<i>Louisiana Regional Folklife Program</i>	Div of Arts	60,000.00
Michael Shipp	<i>Comprehensive Center for Rehabilitation Technology</i>	LRS	610,883.00
Milan Vavrek	<i>Development of an Oil Brine Spill Restoration Plan</i>	OSRADP	66,447.00
Joshua Leffler	<i>Pioneering Plants to Remediate Oil and Brine Spills</i>	OSRADP	47,131.00
Andre Paun	<i>A New Way of Looking at Cells: Through the P Systems</i>	NSF	150,000.00
Larry Proctor	<i>Better Health for the Delta/Phase 2 Reapplication Grant</i>	DHHS	23,132.57
Chris Cunningham	<i>Consultation with NASA on Graphical User Interface Design</i>	NASA	20,000.00
July 2005 Total			\$1,801,222.57
Sumeet Dua	<i>Novel Gene Expression Data Mining for Medical Discovery</i>	BoR	70,374.00
Tabbatha Dobbins	<i>Engineering Dopant Atomic Structures in Complex Metal Hydrides</i>	BoR	91,111.00
Jay Wang	<i>Numerical and Physical Modeling of the Inception and Propagation of Shear Band Localization</i>	BoR	105,336.00
Yuri Lvov	<i>Nanotechnology for Pulp and Paper Industry: Layer-by-Layer Polyelectrolyte Coating</i>	BoR	178,480.00
Tabbatha Dobbins	<i>Enhancing Nanotechnology Education with Hands-On Scanning Microscopy</i>	BoR	50,000.00
Upali Siriwardane	<i>Incorporation of Magnetic & Thermal Gravimetric Analysis</i>	BoR	53,952.00
Jon Pratt	<i>LaTech ROPES Course for Multidisciplinary Teambuilding</i>	BoR	25,000.00
William Lewis	<i>m-Lab</i>	Bor	121,000.00
Kody Varahramyan	<i>Acquisition of a Field Emission Scanning Electron Microscope for Nanotechnology Research</i>	NSF	524,875.00
Tabbatha Dobbins	<i>Research and Education: Increasing Student Participation Research at Internationally Recognized User Facilities</i>	NSF	183,643.00
Carynn Wiggins	<i>Spelling, Vocabulary & Reference Materials Oh, My!</i>	BESE	3,411.00
Bala Ramachandran	<i>Superior Graduate Fellows on Molecular Sciences and Nanotechnology</i>	BoR	72,000.00
Lamar Rogers	<i>Ringgold Nurse Care</i>	LDOL	259,540.60
Angela Kennedy	<i>2005-06 Carl Perkins Vocational and Technical Education Act of 1998</i>	Carl Perkins	42,623.25
Angela Kennedy	<i>2005-06 Carl Perkins Vocational and Technical Education Act of 1998</i>	Carl Perkins	40,104.75
Cheng Luo	<i>Sensors: Two Types of Suspended-Silicon-Nanowire Based Sensors</i>	NSF	240,000.00
August 2005 Total			\$2,474,310.60

NEW GRANTS AWARDED (CONT'D FROM PAGE 2)

PI	Title	Funding Agency	Amount Awarded
Scott Gold	<i>Microscale HPLC for Portable Medical Testing Applications</i>	NASA	5,000.00
Chester Wilson	<i>Measurement and Calibration of MEMS-Based Neutron Detectors and X-Ray Sources</i>	NASA	5,000.00
Don Haynie	<i>Physical Basis of Polypeptide Multilayer Film Assembly</i>	NASA	9,152.00
Frank Ji	<i>Multilayer Modifications of Microcantilevers for Ca²⁺ Measurement</i>	NASA	2,731.25
Sumeet Dua	<i>Design of Development of Novel Data Mining Algorithms for Gene Expression Data Analysis in Bioinformatics</i>	NIH/LSU	22,802.00
Lamar Rogers	<i>Arcadia HealthCare Center Consortium</i>	LDOL	172,129.10
Sumeet Dua	<i>Louisiana -INBRE</i>	NIH/LSU	204,865.00
Henry Cardenas	<i>CMU Water Barriers</i>	Osmotech	66,095.00
Henry Cardenas	<i>Above Ground Water Barriers</i>	Osmotech	40,231.00
Henry Cardenas	<i>Rehabilitation of Stone Structures</i>	Osmotech	59,629.00
Box Leangsuksun	<i>A Scalable Workload Characterization System for High End Computing</i>	DoE	24,999.00
Ray Sterling	<i>Nastt Sewer Laterals Training Module</i>	NASTT	15,000.00
Sumeet Dua	<i>Louisiana -INBRE</i>	NIH/LSU	97,556.00
Sumeet Dua	<i>Louisiana -INBRE</i>	NIH/LSU	81,200.00
Henry Cardenas	<i>Tarnish Control of Electroplated Press Cylinders</i>	Southern Graphics	28,006.00
Tabbatha Dobbins	<i>Understanding the Local Atomic-Level Effects of Dopants in Complex Metal Hydrides Using Synchrotron X-Ray Absorption Spectroscopy</i>	DoE	104,475.00
Glenn Beer	<i>Experiment Gallery Activity Station Support</i>	NASA	12,894.00
Erez Allouche	<i>Hurricane Katrina Rapid Deployment</i>	NSF	20,000.00
Sept. 2005 Total			\$971,764.35
Kathy Wyatt	<i>LaTech Small Business Development Center Developing & Piloting of Professional Development /Curricular Materials for Project Life Environmental and Earth Science Program</i>	SBA	100,000.00
Linda Ramsey	<i>Australia Biodiversity and Research</i>	DoEd	148,800.00
Joshua Leffler	<i>Louisiana Materials and Emerging Technologies Conference</i>	NSF	30,746.00
Kody Varahramyan	<i>Nutrient Supply and Demand</i>	NSF	11,900.00
Ray Newbold	<i>North Central Alliance Partners in Prevention</i>	USDA	1,500.00
Tommy Grafton	<i>Technician Support for Microsystems and Nanosystems Engineering</i>	DHHS	97,980.00
Hisham Hegab	<i>McIntire-Stennis Cooperative Research Program FY 06</i>	NSF	10,000.00
John Adams		USDA	184,571.00
October 2005 Total			\$585,497.00
Lee Sawyer	<i>Proposed Consortium Arrangements with Univ. of Oregon under DOE and NSF Proposals</i>	DoE	27,000.00
Bernd Schroder	<i>Merlot Project</i>	BoR	2,500.00
Rich Kordal	<i>CeNIT</i>	NSF	15,000
Rich Kordal	<i>CeNIT</i>	NSF	15,000
Rich Kordal	<i>CeNIT</i>	NSF	15,000
November 2005 Total			\$44,500.00

PROPOSALS SUBMITTED

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
06-001	Dauzat, Jo Ann	Wiggins, Carynn	PILARS: partnership for Improving Learning of At-Risk Students	The Coca Cola Foundation	77,650
06-002	Swanson, Mark	Trzyna, Wendy	Genomic Haploinsufficiency Screening to Identify Genes . . . In Yeast	NSF	325,210
06-003	Saber, Aziz		Monitoring System for Bridges Subject to Heavy Loads	LTRC	448,209
06-004	Ji, Frank	Varahramyan/ Fang	A Handheld Microsensor Device for Measurement of Low Moisture in Natural Gas	Sensidyne, Inc.	92,576
06-005	Beer, Glenn		Experiment Gallery Activity Station Support	Louisiana Space Grant Consortium	12,894
06-006	Walczyk, Jeffrey	Stockton, Cathy	The Impact of Motivation, Verbal Efficiency, and Task Conditions on the Comprehension of Young Readers	NSF	79,202
06-007	Palmer, James		CAREER: Using Microfluidics to Study Enzyme Immobilization Via Nano Self-Assembly	NSF	428552
06-008	Champagne, Nathan		CAREER: An Evolutionary Approach to Electromagnetics Education and Research Using Cactus and MATLAB	NSF	456489
06-009	Wang, Jay		CAREER: Shear Band Localization Modeling in Micro- and Macroscales for Cohesive Materials	NSF	410,007
06-010	Su, Yi		CAREER: Self-assembly Polymer Quantum Well/dot Technologies for Polymer Electronics	NSF	400,000
06-011	Selmic, Sandra		CAREER: Engineering of Polymer-Nanocrystal Quantum-Dot Photodetectors and Photovoltaic Devices	NSF	421,390
06-012	Kanno, Jinko		CAREER: Graphs Embedded in Projective Plane, Klein Bottle or Torus	NSF	400,000
06-013	Cardenas, Henry		Tarnish Control of Electroplated Press Cylinders	Southern Graphic Systems	28,006
06-014	Cochran, James		CAREER: Statistical Properties of Sample Based Optimal Covering Problems	NSF	455,923
06-015	Sterling, Ray		Nastt Sewer Laterals Training Module	North American Society for Trenchless Technology	15,000
06-016	Dauzat, Jo Ann	Ryles/Parker	Project ELEVATE	DOEdu	194,065
06-017	Sit, Sidney	Mills, David	Intracellular thermal-based Cancer Therapy . . .	NIH SBIR	67,092
06-018	Sterling, Ray		Analysis and Physical Realization of a Novel Approach to Tunnel Lining in Highly Stressed Rock Conditions	US Civilian Research and Development Foundation	7,574

PROPOSALS SUBMITTED (CONT'D FROM PAGE 3)

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
06-019	Varahramyan, Kody		Louisiana Materials and Emerging Technologies Conference	BoR	11,900
06-020	Allouche, Erez	Sterling/Hall	Evaluation of Curing Practices for CIPP Liners	AOC	15,860
06-021	Heimdal, James	Grafton, Tommy	Alliance Partners in Prevention I	DHH	49,495
06-022	Heimdal, James	Grafton, Tommy	Alliance Partners in Prevention II	DHH	128,404
06-023	Heimdal, James	Grafton, Tommy	North Central Alliance Partners in Prevention	DHH	49,998
06-024	Luo, Cheng		Development of a Numerical Model for an Intermediate-Layer Lithography Method	BoR	10,000
06-025	Lvov, Yuri	Dobbins/Grozdits	Nanocoating of Pulp Microfibers for Smart Papermaking	NSF	450,000
06-026	Walczyk, Jeffrey	Loveland, James	Cognitive and Personality Dimensions of Lie Construction and Lie Detection	NSF	75,703
06-027	Varahramyan, Kody		Acquisition of a Near-Field Scanning Optical Microscope . . .	DOD	194,903
06-028	Ji, Frank		Novel Microcoil Devices for Pathogen Detection	NIH	132,496
06-029	Gold, Scott		Clay Nanocomposite Fuel Cell Membranes for High Temperature, Low Relative Humidity App.	DOE	500,000
06-030	Bell, Edward		Rehabilitation Long-Term Training	RSA	100,000
06-031	Szlavik, Robert		Group Delay Characterization of Peripheral Nerve Fiber Size Distributions	NSF	504,985
06-032	Moore, Pamela		Nursing Capitation	BoR	60,000
06-033	Su, Yi		Micro/Nano Fabrication of Polymer Electronic Devices for Polymer Rfid Application	BoR	125,048
06-034	Palmer, James		Layer By Layer Nano Self-Assembly for Enzyme Immobilization	BoR	116,556
06-035	Lee, Luke		Vibration Based NDE for Capacity Estimation of Beam Structures with Bonded FRP Composites	BoR	140,381
06-036	Jones, Steve	Dobbins, Tabbetha	Undergraduate Experiences In Nanobiogengineering	NSF	431,390
06-037	Sterling, Ray	Allouche, Erez	Hurricane Katrina Rapid Deployment	NSF	23,100
06-038	Gold, Scott	Derosa, Pedro	Proton Conduction in Nanoporous Silicon Proton Exchange Membranes	NSF	276,100
06-039	Cardenas, Henry		Electrokinetic Strategies for Moisture Control and Durability of Ceramic Structures	Osmotech	3,039,000

PROPOSALS SUBMITTED (CONT'D FROM PAGE 4)

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
06-040	Luo, Cheng		An Intermediate-layer Lithography Method for Generating Multiple Micro-structures	BoR	10,000
06-041	Selmic, Rastko		Intelligent Failure Detection, Identification, and Compensation in Sensors and Sensor Networks	BoR	91,666
06-042	Besio, Walt		Functional Brain Mapping Utilizing a Unique High-Resolution Laplacian EEG System	BoR	110,112
06-043	Sit, Sidney		Correlating Material Properties with Endothelial Cell Micromechanics	BoR	157,750
06-044	Cicciarella, Charles		Research Capability for Epidemiology of Life	BoR	50,000
06-045	Selmic, Rastko		Wireless Sensor Network Monitoring and Detection system for Chemical/ Petrochemical Plants	BoR	140,000
06-046	O'Neal, Chad		Vibes: a MEMS Vibrational Energy Scavenging Device Targeting Low Frequency Vibrational Sources	BoR	149,767
06-047	Wyatt, Kathy		Entrepreneurship Training	NLPI	2,000
06-048	Derosa, Pedro		Study of Polymer Geometrical and Electronic Structure Using Molecular Simulation Techniques	BoR	131,104
06-049	Leangsuksun, Box		A Scalable Workload Characterization System for High End Computing	DOD/DOE	25,000
06-050	Bennett, Rebecca		Workplace Deviance Theory and Research Integrity	NIH	297,050
06-051	Voziyarov, Yuri		Site-directed Modifications of Eukaryotic Genomes	BoR	130,252
06-052	Beer, Glenn		Louisiana Tech GEAR UP	BoR/DoEdu	337,449
06-053	Swanson, Mark		Post-Transcriptional Functions of the CCR4-NOT Complex of Saccharomyces Cerevisiae	BoR	124,750
06-054	Trzyna, Wendy		Towards a Complete Characterization of the Acanthamoeba castellanii Genome	BoR	177,175
06-055	Heimdal, James		Louisiana Tech GEAR UP Summer Learning Camps	BoR/DoEdu	134,362
06-056	LaBorde, Connie	Basinger/ Walczyk	Historical Documentary of the Effects of Hurricane Katrina: Human Resilience in	NSF	97,092
06-057	Luo, Cheng		SU-8/PDMS Composite Membrane Based Lithographic and Packaging Ap-	NSF	266,184
06-058	Harpel, Tammy	Dowd/Hunt	Family Needs and Coping Strategies in the Aftermath of Hurricane Katrina	NSF	67,561
06-059	Johnston, Kathleen	Wells/ Simicevic/ Forest	Precision Electroweak Measurements at Jefferson Lab	NSF	723,936

PROPOSALS SUBMITTED (CONT'D FROM PAGE 5)

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
06-060	Sit, Sidney		Effect of Material Surface Properties on Cell Micromechanics for the Rational Design of Artificial Biomaterials	Beckman Foundation	26,2714
06-061	Schroeder, Bernd		Merlot Project	BoR	2,500
06-062	Young, Tony		The Dynamics and Trajectory of Emotional, Social and Economic Recovery from Hurricane Katrina and its Aftermath	NSF	97,092
06-063	Sit, Sidney		Correlating Material Surface Properties With Cellular Micromechanics	NIH	99,860
06-064	Saber, Aziz	Wang/Lee	Microcrack progression and growth of repaired concrete structures	NSF	311,384
06-065	Ji, Frank	Varahramyan/Fang	Novel Microcoil Devices for Measurement of low Level Moisture in Natural Gas	NSF	308,240
06-066	Voziyarov, Yuri	Mills, David	Site-directed Modifications of Eukaryotic Genomes	NIH	358,520
06-067	Sterling, Ray	Allouche/Saber	Continuing Education and Training in Utility Installation and Rehabilitation Techniques	Contractors' Educational Trust Fund of Louisiana	25,000
06-068	Gold, Scott		Palladium Nanotube	NSF	176,279
06-069	O'Neal, Dennis		Nanoparticle-based Detection, Treatment, and Monitoring of Breast Cancer	BoR	172,320
06-070	Miletello, Wendy	Walczyk, Jeffrey	Enhancing the Academic Achievement of Adolescents at Richwood High School Through Health and Fitness Training	BoR	84,573
06-071	O'Neal, Chad	Gold, Scott	Fabrication and Mechanical Articulation of Individual Pzt nanotubes in an Array	NSF	247,198
06-072	Cicciarella, Charles	Kluka, Darla	A System for Nationwide Assessment of Health-Related Knowledge, Beliefs, Practices and Attitudes of College Freshmen	American Alliance for Health, Phys Ed., Rec. and Dance	10,000
06-073	Sherman, Angela	Phillips, Kerri	The Effects of Supervision Methods in Speech-Language Pathology Training Programs	BoR	25,000
06-074	Allouche, Erez	Sterling, Ray	Development of a Demountable Structural Insulated Panel (SIP) System for Post-Natural Disaster and War Zone Shelters	BoR	120,000
06-075	Shoemaker, Sheryl	Madis/Bryan	Direct Auditory Training for Children with Auditory Processing Disorders	BoR	32,033
06-076	Eklund, Sven		Asymmetric Catalytic Hydrogenation at Platinum Surfaces Modified With a Self-assembled Monolayer of Chiral Ligand	BoR	139,783

PROPOSALS SUBMITTED (CONT'D FROM PAGE 6)

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
06-077	Ji, Frank	Varahramyan/Fang	Microcantilever Sensors for Measurement of Low Level Moisture in Natural Gas	BoR	193,737
06-078	Dobbins, Tabbetha	Lvov, Yuri	Synthesis of Biomimetic Materials in Nanoconfined	NSF	130,000
06-079	Lee, Luke	Cardenas, Henry	Rapid Rehabilitation of Hurricane Damaged Structures	BoR	183,385
06-080	Leffler, Josh	Vavrek, Milan	Nitrogen Cycling in Oil Brine Contaminated Sites	BoR	56,411
06-081	Lvov, Yuri		Engineering of Magnetic-Polymer Nano Materials for Controlled Release	BoR	84,500
06-082	McShane, Mike		Nanoengineered Transport-Control Membranes for Biosensors	NSF	276,195
06-083	Wakeman, John		Improved Computer-based Data Acquisition Work Stations in Physiology Teaching Laboratories	BoR	39,270
06-084	Vavrek, Milan	Hunt, Howard	Cleaning Up Oil-contaminated Muds in the Aftermath of Hurricane Karina Using Combined Biopilephytoremediation Techniques	LAEOSR	59,049
06-085	Mills, David	Ramsey/Jones	NERO 'Nanoscience Education and Research Outreach"	NSF	425,956
06-086	Turner, Galen		Structure and Minors in Graphs	NSA	29,985
06-087	Wilson, Chester		No Tamper	DOD/Radiance	30,000
06-088	Wilson, Chester		Xray/Focused ION Beam Detector	DOD/Radiance	30,000
06-089	Adams, John		McIntire-Stennis Cooperative Research Program FY 06	USDA	184,571
06-090	O'Neal, Chad		Tunable Multi-mode MEMS Vibrational Anti-Tamper Sensor	DOD/Radiance	100,000
06-091	O'Neal, Chad		Vibration Energy Scavenging (VibES) Power Source	DOD/Radiance	100,000
06-092	O'Neal, Chad		Tunable Multi-mode MEMS Vibrational Anti-Tamper Sensor II	DOD/Radiance	100,000
06-093	Ji, Frank	Deese/Pratt	Complementary Teams for Developing Hydrogel Integrated Novel Micromechanical Sensors	NSF	433,830
06-094	Luo, Cheng		Visualization Laboratory for Micro/Nanotechnology Education	BoR	46,000
06-095	Cicciarella, Charles		Enhancing Research Capability and Productivity Related to Epidemiology	BoR	24,876

PROPOSALS SUBMITTED (CONT'D FROM PAGE 7)

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
06-096	Sit, Sidney		Effect of Electrical and Chemical Properties of Materials on Cell Mechanics	NSF	324,317
06-097	Snow, Dale		Biochemistry Experiences for Life Science Majors	BoR	16,800
06-098	Fang, Ji		Variable Focus Lens Integrated with Actuator for Portable Consumer Electronics	Holochip Corp.	32,207
06-099	Varahramyan, Kody	Su, Yi	Evaluation of Microsensors for Moisture Detection in Soil	DoD/Army	5,450
06-100	Dauzat, Jo Ann	Basinger, Dawn	Second Careers in Teaching (SCIT) 2	BoR	85,926
06-101	McGee, Bruce		A Dual Enrollment Distance Learning English Composition Course	BoR	26,791
06-102	Phoha, Vir		Identification of Spatial-Temporal Event Patterns in Nonlinear Stochastic Processes	DoD/MURI	246560
06-106	Martin, Linda	Heinman, Brenda	Enhancement and Expansion of the Speech Communication Multimedia Online Educational Laboratory	BoR	24,038
06-107	Su, Yi	Varahramyan, Kody	Deep Submicron Plymer Quantum Well Transistors for RFID Application	BoR	131,548
06-108	Varahramyan, Kody	McDonald/Lvov	Enhancement of Educational and Rsearch Infrastructure for Nanosystems Engineering and Molecular Science & Nanotechnology	BoR	89,395
06-109	Su, Yi	Hegab, Hisham	Enhancing Micro/Nanotechnology Education With Device Characteriza-	BoR	82,284
06-110	Sit, Sidney		Investigation of Surface-dependent Cell Mechanics for the Rational Design of Artificial Biomaterials	BoR	10,000
06-111	Selmic, Rastko		New Intelligent Feedback Control of Smart Actuators	BoR/Nasa	30,158
06-112	Evans, Katie		Sensitivity Analysis for the Design of Low Order Controllers	NSF	192,209
06-113	Wang, Jay		A Model to Predict Shear Failure of Infrastructures Using Finite Element Method	BoR	10,000
06-114	Mills, David	McShane/Gunasekaran	Enhancement of Graduate and Undergraduate Education in Biological Sciences and Nanotechnology Through Practical Training	BoR	121,281
06-115	O'Neal, Chad	Su, Yi	Evaluation of Electroactive Polymers as Strain-gauges for Small Displacements	UsArmy	24,994
06-116	Kimball-Lopez, Kimberly	Cummins/Sheets	ISS-IT Professional Development	DoEdu	1,392,674

PROPOSALS SUBMITTED (CONT'D FROM PAGE 8)

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
06-117	Ross, William	Johnson/ Meeker	Improved Detection and Monitoring Systems for Native and Non-native Sircids	USDA	91,153
06-118	Carwile, Guy		HABS Drawings-O'Brien-London House	LCRT	4,768
06-119	Trzyna, Wendy	Swanson/ Leffler	Microbial Observatory	NSF	937,920
06-120	Trzyna, Wendy		Sequencing & Expression of Type I Metacaspases	BoR	10,000
06-121	Jones, Steve		Enhanced Resolution Doppler by Multiple Receivers	NIH	189,493
06-122	Gold, Scott		Platinum Nanotube Based Electrocatalyst Structures for Micro Fuel Cells	BoR	145,227
06-123	Kennedy, Gary	Watson, McShane	Economic, Social & Market Viability of Nanosystems in the U.S. Dairy Industry	NSF	116,192
06-124	Fakelmann, Robert	Willoughby/ Williams	The 3-D Digital Fabrication and Assembly Studio	BoR	142,478
06-125	Strait, John		Blues at the Crossroads: A Summer Teaching Institute for Advanced Study of Blues Culture in the La. & Miss. Delta	LEH	35,206
06-126	Sit, Sidney		Characterization Laboratory for Biomaterials and Tissue Engineering	BoR	181,000
06-127	Lvov, Yuri		Layer By Layer Nanoassembly for Fiber Modification	Sappi Fine Paper Corp.	119,899
06-128	Saber, Aziz		Structural Health Monitoring System	BoR	44,283
06-129	Derosa, Pedro	Varahramyan/ Khaliq	Nano-systems Modeling and Simulation Laboratory	BoR	58,555
06-130	Heinden, Kathleen	Sivils/Myers	Enhancing Student Learning Through Development of Merchandising & Consumer Studies	BoR	102,736
06-131	Powell, Tamara	Shockley/ Willoughby	Accepting the Challenges of the 21st Century: Using Multimedia Technology to Enhance the Delivery of Writing and Literature Instr. at LaTech	BoR	149,149
06-132	Strait, John	Jun, Byong- Woon	Preparing Students to Explore a 21st Century World: Advancing Geographic Information Science Edu at LaTech	BoR	81,065
06-133	Livingston, Mary	Pace, Larry	Transforming the Traditional Psychology Classroom into a Technology Rich Teaching and Learning Environment	BoR	86,807
06-134	Harpel, Tammy	Pumphrey/ Pumphrey	Why Do They Leave? Improving Freshman Retention at Louisiana Tech University	BoR	83,570
06-135	Hutchinson, Richard	Jani/Leffler	Beyond Oil to Renewable Energy	BoR	13,750

PROPOSALS SUBMITTED (CONT'D FROM PAGE 9)

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
06-136	Colvin, Jan		Enhancing Experiential Education and Undergraduate Research Through Development of a Resource and Research Laboratory	BoR	13,430
06-137	Besio, Walter	Jones, Steve	Undergraduate Biomedical Instrumentation Laboratory	BoR	66,697
06-138	Pace, Larry	Livingston/ Tobacyk	Transforming the Traditional Psychology Classroom into a Technology Rich Teaching and Learning Environment	BoR	139,330
06-139	Allouche, Erez	Cardenas/ Baumert	Advanced Cementitious Materials Lab Enhancement	BoR	92,030
06-140	Ker, Jun-Ing		Enhancement of Flexible Manufacturing Lab	BoR	52,280
06-141	Cronk, Stan	Miletello/Jer	Biomechanics Training Laboratory	BoR	66,714
06-142	Sule, Dileep		Enhance Lean Manufacturing Lab	BoR	44,971
06-143	Dauzat, Jo Ann	Beer/Gullatt	Louisiana Tech/Monroe City Partnership for School Reform	BoR	599,166
06-144	Szlavik, Robert		Combined Model of the Neuromuscular Junction Under the Influence of Acetylcholinesterase	BoR	280,780
06-145	O'Neal, Mike		Providing Managerial Expertise to Network Foundation Technologies	Network Foundation Technologies	22,514
06-146	McShane, Mike	Mills/Kuila	Nanoengineered Platforms to Control Stem Cell Behavior	BoR	1,484,605
06-147	O'Connor, John		A Distance Learning Approach to Training Adapted Physical Educators	BoR	52,965
06-148	Mainardi, Daniela		Doped Nanostructured Titania as Electrocatalyst Supports for Fuel Cells and Electrolyzers	NSF	299,869
06-149	Ramsey, Linda		LINCS	BoR	171,874
06-150	Ramsey, Linda		RIPPLE	BoR	184,088
06-151	Wilson, Chester	Mainardi/ Dobbins	New Technologies to Enable Nanostructured Metal Casings	NSF	1,600,000
06-152	Saber, Aziz		Restoration, Reconstruction and Fortification of School Buildings for Disaster Relief and Recovery	HUD	49,742
06-153	Sit, Sidney	Kuila, Debasish	Effect of Electrical and Chemical Properties of Materials on Cell Mechanics	NSF	119,225
06-154	Saber, Aziz	Wang,/Lee	Feasibility of Tubular Fender Units for Pier Protection Against Vessel Collision	LTRC	78,237
06-155	Saber, Aziz		Field Verification for the Effectiveness of Continuity Diaphragms for Skewed Continuous P/C P/S Concrete Girder Bridges	BoR	149,830
06-156	O'Neal, Chad	Selmic/Lvov	Large Area Polymer-based Solar Cells for Deployment with Ground Personnel	DARPA	450,000
06-157	Beer, Glenn		The IDEA Place Mystery Zone Litter Project	EPA	23,552

BREEZE BULLETIN

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PROPOSALS SUBMITTED (CONT'D FROM PAGE 10)

FILE #	PI	Co-PI 's	TITLE	AGENCY	\$
06-159	McShane, Mike		Graduate Assistantships in Areas of National Need (BME PhD fellows)	DOEdu	358,740
06-160	Puljak, Karl	Willoughby/ Higgins	Rural Recovery Assistance Project	HUD	161,401
06-161	Leonard, Pauline	Beer, Glenn	Project EPAS - Year 2	BoR/LaSIP	193,058
06-162	Mills, David	Jones/Ramsey	Bionanotechnology Summer Institute Program	NSF	427,031
06-163	Saber, Aziz		Elimination of Deck Joints Using a Corrosion Resistant FRP Approach	LTRC	119,973
06-164	Smith, Rebecca	Thigpen, Sally	Animal Assisted Therapy Consortium	Laura J. Niles Foundation	50,000
06-165	Watson, Susan		National Inventory of Rural-based E-Commerce Businesses: Success Stories and Guidelines for Developing a Profitable Online Business	Southern Rural Development Center	16,956
06-166	Simmons, Rick		The Regency Worlds of Jane Austen and Patrick O'Brian	BoR	21,300
06-167	Vessel, Amy	Kimbell-Lopez/ Cummins	The Reading CSI (Competencies Subject Integration) Project	BoR/LaSIP	197,741
06-168	Rea, Kenneth	Dauzat, Jo Ann	Teacher Preparation Program Reward	BoR	7,500
06-169	Campbell, William		Pipeline GIS Project	ULM/LOS R&D Program	18,694
06-170	Siriwardane, Upali		An Integrated Research and Education Program in materials Science: A Partnership Between GSU and Univ. of Alabama	NSF	99,969
06-171	Siriwardane, Upali		Using Large Scale Facilities for Increasing the Participation of Underrepresented Groups in the Synchrotron X-Ray Workforce	NSF	99,969
06-172	Beer, Glenn		Establishing the Louisiana Coalition for Academic and Mentoring Programs for Success (LaCAMPS) Year 2	BoR/NSF	156,894
06-173	Sawyer, Lee		Neutron-Enhanced Calorimetry for Hadrons (NECH)	DOEdu	119,140

06 FRINGE RATES REMINDER!!!!

Faculty/Unclassified: 32.6%

Civil Service: 35.8%

Contract/Post Doc.: 23.2%

LaTech's federally negotiated rate is 48%

NEW GRANTS AWARDED (CONT'D FROM PAGE 3)

Deborah Inman	<i>'Top Dawg' Business Plan Competition Enhancement Funding</i>	NSF	8,436
Pamela Moore	<i>Nursing Capitation</i>	BoR	60,000
Kathy Wyatt	<i>Entrepreneurship Training</i>	NSF	2,000
Bill Campbell	<i>Pipeline GIS Project</i>	OSRADP	18,694
Mike O'Neal	<i>Providing Managerial Expertise to Network Foundation Technologies</i>	NFT	22514
December 2005 Total			\$111,644.76
YTD			\$5,988,939.28

ADDITIONAL GRANT FUNDING FOR EXISTING AWARDS

Vir Phoha, DFSA MODEL AND PROTOTYPE FOR SOFTWARE SYSTEMS FAULT CHARACTERIZATION, DOD thru Penn State, \$55,000;

Yuri Lvov, PROTEIN DRUG MICROENCAPSULATION, Epics Therapeutics, \$195,210;

Frank Ji, SENSORS: MULTILAYER MODIFICATION FOR MICROCANTILEVER BIOSENSORS, NSF, \$75,431;

Ray Sterling, CONTINUING EDUCATION AND TRAINING IN UTILITY INSTALLATION AND REHABILITATION TECHNIQUES, Contractors Educational Trust Fund, \$25,000;

Les Guice, INNOVATIVE VENTURES FOR EMERGING TECHNOLOGIES IN RURAL NORTH LOUISIANA, NSF, \$209,978;

Stan Napper, GRADUATE FELLOWS FOR BIOMEDICAL ENGINEERING PHD PROGRAM. BoR, \$20,000;

David Hall, GRADUATE FELLOWSHIPS FOR THE ENGR., CAM, AND BME PHD PROGRAMS, BoR, \$17,500;

Jenna Carpenter, INTEGRATING THE SCIENCES AND SCIENCE EDUCATION IN THE EARLY COLLEGE CURRICULUM, NSF, \$35,414;

Eddie Bell, REHABILITATION LONG-TERM TRAINING-REHABILITATION OF INDIVIDUALS WHO ARE BLIND OR HAVE VISION IMPAIRMENTS, Dept. of Education, \$99,995;

Mark Gibson, DEV & EXP. OF LA. SEC. WOOD PROC IND, La. Legislature/LSU, \$55,000;

Peter Jones, FOUR MFA PROGRAM GRADUATE FELLOWS, BoR, \$10,000;

Galen Turner, MINORS AND ROUNDEDNESS IN GRAPHS AND MATROIDS, BoR, \$29,255;

Jinko Kanno, MINORS AND IMMERSIONS IN GRAPHS, BoR, \$19,438;

Gary Stokley, WORKPLACE & COMMUNITY TRANSITION FOR INCARCERATED YOUTH OFFENDERS PROGRAM - YR 3, La. Dept. of Public Safety & Corrections, \$50,000;

Neeti Parashar, DEVELOPMENT OF B-TAGGING ALGORITHM USING MUON TAGS IN THE SEARCH FOR THE HIGGS BOSON, BoR, \$30,461;

Karen Johnston, PARITY VIOLATING ELECTRON SCATTERING AT JEFFERSON LAB, NSF, \$223,341;

David Mills, LOUISIANA TECH'S GRADUATE K-12 TEACHING FELLOWS PROGRAM, NSF, 93,500;

Vir Phoha, DFSA MODEL AND PROTOTYPE FOR SOFTWARE SYSTEMS FAULT CHARACTERIZATION, DOD thru Penn State, \$31,682;

Mike McShane, FLUORESCENT GLUCOSE SENSORS FROM POLYION MICROSHELLS, NIH, \$259,189;

Dixie Griffin, CITY OF RUSTON, \$30,000.

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A FEDERAL ASSISTANCE MONITOR SPECIAL REPORT ON PRESIDENT BUSH'S FY 2007 BUDGET

If You Liked FY'06 (or Even if You Didn't) Get Ready for More Of the Same

"You have to admire its consistency." That's the way one Democratic staffer talked about President Bush's FY 2007 budget proposal. It once again includes a few new ideas—like an American Competitiveness Initiative—while paying for them by eliminating funding for approximately 150 current grant programs and cutting billions of dollars from others.

So what should you focus on?

- **When discussing funding with your elected officials, focus on the trees, not the forest:** Discussions about federal funding tend to look at overall figures—the Administration has used the growth in discretionary spending the past five years as one of its rationales for spending restraint.

But when talking with, say, your congressman, you need to emphasize where much of that extra money went:

1. Homeland Security or Defense, which are not great sources of money for the community nonprofit.
2. Medicaid (which focuses more on the individual than on the organization).
3. A few (and we mean a few) large state grant programs, and even many of these are now losing money.

The reality is that since 2002 (the first all GOP budget) *almost two-thirds of domestic, discretionary grant programs have lost ground to inflation, and many have lost funds in actual dollars.* For example, since 2002, of the 23 line-item programs in the Housing and Urban Development Department, 18 now receive less money.

But the overall reduction doesn't look too bad because of increases in funding (if not service levels) for basically one program: Sec 8 housing.

The devil may be in the details, but it can be effective in lobbying officials as well as preparing for future grant competitions!

OTHER NOTEWORTHY NEWS . . .

BMES Takes Over Curriculum Database: The Biomedical Engineering Society is taking over the foundation's curriculum database to keep it going after the foundation closes in June. The new URL is: bmes.seas.wustl.edu.

The Pew Research Center's Stateline.org has released its annual *State of the States* report on state policy developments and trends. The 2006 report covers a broad array of topics, from homeland security and health care to education and energy. Among the "issues to watch" in the next year are gay rights, eminent domain, and stem cell research, says the report. Download the report at http://www.pewtrusts.org/pdf/State_of_States_Report_2006.pdf. (Southern Compass, February 7, 2006)

NEW USAID GRANTS AIMED AT INVOLVING U.S. HIGHER EDUCATION IN INTERNATIONAL DEVELOPMENT

According to USAID, more faculty from U.S. colleges, universities and community colleges need to participate in international development. In an unusual move, it has joined with the UK's Higher Education Staff Development Agency (HED) to issue an RFA called the New IDEAS Partnership Program. Unlike other USAID programs, this one allows institutions to propose their own partnership program, anywhere and on any topic, as long as it: (a) involves a USAID country and its development issues; (b) strengthens the grantee's capacity to do future development work, and (c) demonstrate unique or exceptionally innovative approaches and ideas. HED anticipates making ten awards of up to \$125,000 each over a three-year period, contingent on USAID funding. The deadline is April 25, 2006. More information, including the RFA, is available on the HED website: <http://www.aascu.org/ALO/RFPs/newIDEAS/newIDEAS06.htm>.