Newsletter

Spring, 2009

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Research Facts:

- With more than $30M in external research funding, UNO is behind only LSU and Tulane in Louisiana
- The SPAWAR funding vehicle contract ($50M over 5 years) is the second largest research contract in UNO history.
- The UNO Research and Technology Park is home to over 20 companies and governmental entities employing over 1000 people.

Meet the New Vice Chancellor…

Dr. Scott L. Whittenburg is the new Vice Chancellor for Research and Dean of the Graduate School, effective July 1. Dr. Whittenburg is a University Research Professor in the Department of Chemistry and previously was the Associate Vice Chancellor for Assessment and Institutional Effectiveness. Prior to that appointment he was the Associate Vice Chancellor of Academic Affairs for Fiscal Administration.

Dr. Whittenburg joined the University as an Assistant Professor in 1979. He was promoted to Full Professor in 1989 and University Research Professor in 2003. His research is in the area of application of computers and parallel architectures to modeling of chemical systems. His most recent work has been in the computation of the magnetic properties of nanoparticles, and in Brownian Dynamic simulations of the directed self-assembly of nanoparticles into functional three-dimensional structures. Dr. Whittenburg is a member of the Board of Regents EPSCoR Committee, the Louisiana Optical Network Initiative (LONI) Advisory Board, the CREST Executive Board and the UNO Foundation and Research and Technology Park Boards.

Scott L. Whittenburg, Vice Chancellor for Research and Dean of the Graduate School

Summer Research Program:

The Office of Research and Sponsored Programs, along with the University Senate is pleased to announce the new Summer Research Program (SRP).

The SRP has three subprograms; Creative Endeavors Opportunity (CEO), Stimulating Competitive Research (SCoRe) and Summer Undergraduate Experience (SUE).

The goal of the CEO program is to increase research and creative activity on campus, and to provide support for faculty to launch programs of research, scholarship, exhibition or performance that will ultimately result in intellectual productivity.

The goal of the SCoRe award would be to increase extramural sponsored research activity and as such the expectation is that the award will enhance the researcher's capacity to acquire future outside funding.

The SUE program supports research or scholarly experiences for UNO undergraduates in cooperation with a faculty advisor.

The CEO and SCoRe programs begin Summer, 2009 while the SUE program begins Summer, 2010. More information can be found at https://sharepoint.uno.edu/research/srp.

The SRP program is administered by Elizabeth Gordon.

Summer 2009 Awardees: (CEO) Olivier Bourderionnet, Erik Hansen, Matthew Jacobsmeier, Pia Kostner, Daniel Lewis, Rachel Luft, John McGowan-Hartman, Kyeong Sam Min, Mary Mitchell, Michael Mizell-Nelson, John Overton, Louis Paradise, Edward Petersen, Anne Rioux, Daniel Rule, Jeffrey Schaffer, Juliana Starr, Elizabeth Steeby; (SCoRe) Nicola Anthony, Brian Beabout, Charles Bell, Edit Bourgeois, Huimin Chen, D'Lane Compton, Renia Ehrenfeucht, Royhan Gani, David Mobley, Marty O'Connell, Pierre Poudeu, Barney Rees, Elizabeth Stein, Guijun Wang.

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Research Awards– 1/1/09 thru 6/30/09

ADMINISTRATION		
BATES, LYNETTE	U.S. DEPT OF ED	University of New Orleans Classic Upward Bound
LAVENDER, WILLIAM	LEH	Dogs in My Life: The Photographs of John Tibule Mendes
WALSH, KENNETH	SPAWAR	Quick Compliance Tool Suite
WHITTENBURG, SCOTT	SPAWAR	Data Center Conceptual Design
WHITTENBURG, SCOTT	SPAWAR	Veterans Affairs (VA) Scheduling
COLLEGE OF BUSINESS ADMINISTRATION		
MIESTCHOVICH, IVAN	RPC	Economic Impact of the Bioscience and Healthcare Sectors
COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT		
BEDFORD, APRIL	LOUISIANA STATE UNIV	Project Recovery Early Reading First Initiative
FLYNN, LINDA	U.S. DEPT OF ED	Louisiana Early Education Program (LEEP)
PERRY, ANDRE M	URBAN LEAGUE OFGNO	Urban League Program Development and Research Proj
THOMAS, PAULETTE	JEFFERSON PARISH PUB	Monitoring and Technical Assistance for CBITS
THOMAS, PAULETTE	JEFFERSON PARISH PUB	Jefferson Parish RTI/PBS PAM Project
THOMAS, PAULETTE	ST. CHARLES PARISH PUB	Responsive to Intervention – Pupil Assistance Model
COLLEGE OF ENGINEERING		
CHARALAMPIDIS, DIMITRIOS	NSF	Collaborative Research: An Integrative Course and Laboratory
CHEN, HUIMIN	DCM RESEARCH RESOURCE	An Integrated Constellation Sensor Simulation Environment
DONG, PINGSHA	PRESSURE VESSEL RES	Prediction of Residual Stresses and Analysis of L-PWHT
KURA, BHASKAR	PORT OF NEW ORLEANS	Online Report Management System (ORMS)
KURA, BHASKAR	CITY OF KENNER	Sustainable Environmental Solutions through Engineering Project 2
KURA, BHASKAR	HIGHWAY 90, LLC	Landfill Odor Control Management
KURA, BHASKAR	CITY OF KENNER	Sustainable Environmental Solutions through Engineering Project 1
LI, XIAO RONG	DHS	Coordinated Search and Surveillance by a UAV Team
LI, XIAO RONG	NAVAL OCEANOGRAPHIC	Design, Analysis, and Testing of Kalman Filter for Underwater
MORRISSEY, GEORGE	TEXTRON MARINE	Model Testing Comparison of the Performance of Three Candidate
COLLEGE OF LIBERAL ARTS		
AMDAL, JAMES	LOUISIANA STATE UNIV	University Transportation Center
ASHAR, ASAF	NATHAN ASSOCIATES	The Plataforma Logistica del Istmo de Tehuantepec Project
DIXON, NANCY	LEH	Putting PRIME TIME in New Orleans Public Schools
DUFOUR, WENDEL	JEFFERSON PARISH	Implementation of the Jefferson Parish comprehensive trans. plan
FIELDS, BILLY	GREGORY C. RIGAMER	GCR and Associates, Inc. Graduate Student Internship
GLADSTONE, DAVID	FRENCH EMBASSY	Embassy of France in the United States and UNO Partnership
JAYAWARDANA, WIJEPALA	LAKE PROVIDENCE PORT	Market Opportunities and Infrastructure Needs Study for Port
LASKA, SHIRLEY	FORD FOUNDATION	Stafford Act Study Proposal
LASKA, SHIRLEY	FEMA	Repetitive Flood Loss Reduction Project for Louisiana/Post Katrina
LASKA, SHIRLEY	GOVERNOR'S COASTAL ACT	Morganza to the Gulf Technical Review Panel Participation
LASKA, SHIRLEY	LOUISIANA STATE UNIV	Growing the Recovery/Rebuilding Web Site and Education/Outreach
LODHI, MAHTAB	NOAA	Gulf of Mexico Coastal Geo-Spatial Information Support System
MASAKOWSKI, STEPHEN	LOYOLA UNIVERSITY	New Orleans Music, Entertainment and Educational Consortium
NELSON, MARLA	UNIV OF PENNSYLVANIA	MOU University of Pennsylvania -Rockefeller Foundation
STUFFLEBEAM, ROBERT	ILLINOIS STATE UNIV	The Mind Project's Cutting Edge Health Science Initiative
COLLEGE OF SCIENCES		
ANTHONY, NICOLA	NSF	Fine-scale Spatial Genentics Analysis of Environmental Variables
BETHEL, MATTHEW	MISS-ALA SEA GRANT CONS	Development of New Geospatial Technology/Traditional Eco
BILAR, DANIEL	SPAWAR	Application of Inverse Maximum Entropy Principles in Information
CAI, YANG	CHILDREN'S HOSPITAL	Spring Semester Salary and Fringe
IOUP, GEORGE	NAVAL RESEARCH LAB	Configuration, Assessment and Evaluation of Coastal Ocean
IOUP, GEORGE	UNIV OF SOUTHERN MISS	University of New Orleans Participation in LADC SCS07
IOUP, GEORGE	NASA	Continuation of IPA (Interagency Personnel Act) Assignment
KULP, MARK	UNIV OF SOUTHERN MISS	Recent Sedimentation and Stratigraphy of the Penobscot
LI, LINXIONG	U.S. DEPT OF AGRICULTURE	Inferring Cotton Fiber Length Distribution from HVI Testing
LIEBO, STANLEY	LOUISANA STATE UNIV	Sensitivity of Spermatosoa from mice of different strains to different
MARTEL, MICHELLE	BOARD OF REGENTS	Restoration of Department Psychology Clinic
MAYGARDEN, DINAH	LUMCON	Understanding Coastal Communities and WetlandResources
OCONNOR, CHARLES	DARPA	Nanoscale Engineering of Multiferroic Hybrid Composites
PURI, ASHOK	BOARD OF REGENTS	Louisiana Alliance for Minority Participation (LAMP) Phase III
REED, DENISE	HALCROW INC.	Provide Technical Review and Input into the Dev of Terrebone
REED, DENISE	LUMCON	Gulf Restoration in an Uncertain Future
REED, DENISE	RAND CORPORATION	OCPR Plan FY10
REED, DENISE	U.S. GEOLOGICAL SURVEY	Delta Regional Ecosystem Restoration Implementation Plan
REED, DENISE	STATE OF LOUISIANA	Morganza to the Gulf Technical Review Panel Participation
REED, DENISE	ESSEX PARTNERSHIP	Scientific Evaluation for BDCP
RICK, STEVEN	NSF	The Contribution of Water to Protein-ligand Binding and Flexibility
RICK, STEVEN	TULANE UNIVERSITY	Collaborative Research for the Design and Fabrication of Microscale
ROUSSEV, VASSIL	NAVAL POSTGRADUATE	Scalade Data Fingerprint for Large Forensic Data Sets
ROUSSEV, VASSIL	NATIONAL PARK SERVICE	Scalade Data Fingerprint for Large Forensic Data Sets
ROUSSEV, VASSIL	SPAWAR	Cyber Defense of Enterprise Networks
ROUSSEV, VASSIL	SPAWAR	Security Assessment of Cloud Computing Vendor Offerings
SCHLUCHTER, WENDY	NSF	Biosynthesis and Assembly of Phycobiliproteins in Cyanobacteria
SCHLUCHTER, WENDY	NSF	CAREER: Elucidation of the Biosynthetic and Degradative Pathways
SIMMONS, WILLIAM	NSF	Collaborative Research: An Isotope Ratio Mass Spectrometer
SPINU, LEONARD	NSF	SGER: Local Probing of Magnetization Switching
STOKES, KEVIN	NANOHMICS, INC	Compact Night Vision Focal Array Cooling Using FlexTEC
STOKES, KEVIN	NANOHMICS, INC	Conformable Thermoelectric Device for Waste Heat Scavenging
SUMMA, CHRISTOPHER	CHILDREN'S HOSPITAL	Spring 2009 Salary and Tuition for Subhashini Puttangunta
TARR, MATTHEW	NSF	Ternary metal-cyclodextrin-guest complexes in aqueous solution
TAYLOR, CHRISTOPHER	CHILDREN'S HOSPITAL	Taylor Summer Salary Professional Service Agreement
TRUDELL, MARK	ST. CHARLES PHARMA	Synthesis of [14C]-SCP-123
WINTERS-HILT,	CHILDREN'S HOSPITAL	SWH Summer Professional Services Agreement
ZHOU, WEILIE	AMERICAN CHEMICAL SOC	Direct Growth of Type II Core/Shell Nanowire Array on TCO
ZHU, DONGXIAO	CHILDREN'S HOSPITAL	Zhu Summer Salary Professional Service Agreement
METROPOLITAN COLLEGE		
DRICHTA, Carl	STATE OF LOUISIANA	Metro Medicaid Technical Services Contract
MICHELET, Denise	U.S. DEPT OF INTERIOR	Minerals Management Service Information Transfer Meetings

Board of Regents Support Fund Awards:

Congratulations to the following faculty who received awards from the BoR Support Fund this year:

Enhancement-
Paul Schilling, Mechanical Engineering
Golden Richard, Computer Science
Connie Atkinson, History
Michelle Martel, Psychology
Research Competitiveness -
Charles Bell, Biological Sciences
Graduate Fellows -
John Wiley, Chemistry
Diversity Fellowships -
Elizabeth Sigler, Graduate School
ATLAS-
Irvin Mayfield, Music

Searching for Research Funding? Check out I.R.I.S.

IRIS (Illinois Researcher Information Service) is a research funding database that is maintained by the University of Illinois, Champaign-Urbana. IRIS allows researchers to define their funding searches by research keywords and other parameters. The entire UNO community has access to this database of more than 8,000 federal and private research funding opportunities in every field – from arts to zoology. The Office of Research & Sponsored Programs pays for this fee based service, which is available to internet users on campus. Check it out at: http://www.library.illinois.edu/iris/

Professional Development

This past semester the Office of Research continued its program of holding professional development sessions. The topics for these sessions included Award Closeout, Proposal Writing, Budgeting, Subcontracts, and others. Next semester we will offer most of these topics as well as new topics. The dates, times and subject will be posted to the Office of Research sharepoint site once finalized. Continue to check the site for updates and register on-line for the opportunities. If you have any suggestions for future opportunities, please contact Carol Mitton at extension 5546 or cmitton@uno.edu.

Get Your Speedkey Early

This past summer the Office of Research started the sharepoint version of the Advanced Project/Grant ID number request form. This form allows for the assignment of the project/grant number and speed key before an award is fully executed. With the early assignment of the number and speed key, the PI is able to properly charge expenses to the project/grant number from the start date. This will minimize cost transfers and change in source 101s. More information on this form can be obtained from our sharepoint site (link: Home - Research) or contact our office at extension 6836.

Let's Jam!

The Office of Research has held numerous Jam Sessions so far. Topics ranged from Science to Education to Liberal Arts to Public Assistance. The speakers included Dr. Mark Kulp and Dr. Mike Miner (EES); Dr. Andre Perry (Charter Schools); Dr. Shirley Laska and Dr. Monica Farris (CHART); Ken Zangla, Rose Angelocci, and Virginia Gay (TRAC); Dr. Nicola Anthony (Biology); and Dr. Denise Reed (PIES). All of the sessions were informative and interesting. If you have not attended one, you are missing out on a great way to find out what is going on at UNO. The sessions will begin again in the fall.

If you would like to schedule a session to discuss your work, please contact Carol Mitton at extension 5546 or cmitton@uno.edu. This is a great opportunity to showcase your work. The Office of Research will handle all of the details to schedule and announce the event.

"Research is what I am doing when I don't know what I am doing." Werner von Braun

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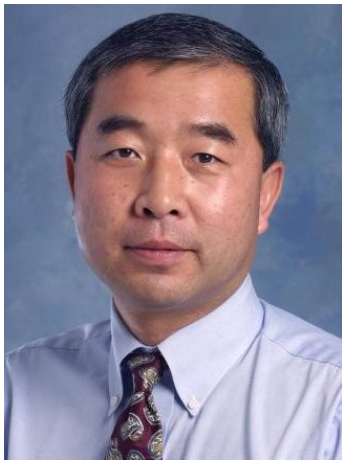
Want to win a **$100 gift certificate** for the UNO Bookstore??!!!! This is your chance! The Office of Research and Sponsored Programs is looking for someone to demonstrate their artistic talent and create a logo for our office. The logo will be placed on our website, office announcements, pens, etc.

Please send the logo to Nadia Zambrano at nzambran@uno.edu before September 1, 2009. Our judges will decide on the winning entry and announce it in the fall semester newsletter.

Show us your talent!

Faculty Focus



Pingsha Dong, Ph.D.
Director, Center for Advanced Marine Structures and Fabrication (CAMSF)

The Office of Research and Sponsored Programs welcomes Dr. Pingsha Dong as the Head of the School of Naval Architecture, occupying the Northrop Grumman Endowed Chair in Shipbuilding and Engineering. He traveled a long road before arriving at UNO in August of 2008. Born in Dalian, China, his early education was interrupted by China's Cultural Revolution when he was relocated into the countryside for re-education. Young Dong circumvented the restrictions of censorship by disguising two texts, which his father had scavenged for him, as Mao's Little Red Book, and read the physics and math books into the night. His feigned devotion to the party earned him the rare opportunity to attend college, the Harbin Institute of Technology in China, to learn the art and science of welding. Dong went on to earn his MS in Welding Engineering there. He then attended the University of Michigan where he was awarded a Masters degree and a PhD in Mechanical Engineering.

Teaching

Before coming to New Orleans from Columbus, Ohio, Dr. Dong taught at the Edison Welding Institute and Ohio State University, supervising graduate students and developing courses based on his work. In 1997, he joined the prestigious Battelle Memorial Institute as the Technical Director for the Center for Welded Structures, attaining its highest technical position as one of only eight Senior Research Leaders (from over 25,000 employees worldwide).

When he joined the faculty of UNO, Dr. Dong brought with him a strong desire to introduce new generations of naval architects and engineers to the exploration of the best design and construction. "These future engineers will be facing the same issues," said Dr. Dong. He describes New Orleans as having one of the two best environments for naval engineering in the country.

Research

Dr. Dong has been a pioneer in the prediction of fatigue life of welded joints; until he and his team at Battelle introduced the computational model, Verity, the projection of the life span of a weld was guesswork at best. Engineers had to rely on empirical methods based on past experience. Industries such as Caterpillar, ChevronTexaco and Ford Motor Company have embraced this method, saving millions of dollars that had previously been used for repetitive, and inaccurate, stress testing. In 2003, the Society of Automotive Engineers declared this model the most important engineering advance of that year, awarding him the Henry Ford II Distinguished Award for Excellence in Automotive Engineering.

Pingsha Dong has received numerous other awards, and has authored over 150 scholarly articles in peer-reviewed archive journals. In addition, he contributes to this field as an editor or reviewer for a number of international journals.

His research interests continue to include techniques for the mitigation of residual stress and distortion and methods in the fatigue and fracture of welded structures. Dr. Dong's leadership in the School of Naval Architecture is a wonderful addition to the College of Engineering and will serve UNO well in continuing its tradition of excellence.