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Office of Research, Awards & Recognition, November 16, 2011

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Quest
Research • Scholarship • Creative Activity

THE UNIVERSITY of TENNESSEE KNOXVILLE

Awards and Recognitions

http://research.utk.edu NOVEMBER 16, 2011

AWARDS FOR OCTOBER 22–NOVEMBER 11, 2011

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Anderson, David	CESU-Preparation of Report Excavations at Mound A, Shiloh Indian Mounds National	U.S. Department of Interior - National Park Service	$17,625
Bartmess, John	Abstraction and Evaluation of Thermochemical Data for Gas Phase Anions	National Institute of Standards and Technology	$19,933
DeCorse, Elizabeth	Report for Archaeological Monitoring of Sanders Island, Sevier County, Tennessee	City of Sevierville	$2,153
DeCorse, Elizabeth	Phase II of Field Sites #4 and #5 at the Proposed US Nitrogen Factory Site	Quantum Environmental Engineering Services, LLC	$32,769
DeCorse, Elizabeth; Hollenbach, Kandace	Archaeological Testing and Assessment of Severe Erosion Gullies and Surrounding	U.S. Department of Interior - National Park Service	$40,000
Dolislager, Fredrick; Galloway, Leslie; Gross, Louis; Stewart, Debra	Risk Integration Support for FY 2012 WR63, Rev 000	DOE - URS CH2M Oak Ridge LLC (UCOR)	$4,543
Freeman, Mark; Lowe, Sarah	Enhancements to the New Park Museum Management Program (PMMP) Web Catalog	U.S. Department of Interior - National Park Service	$100,000
Gross, Louis	UT-Battelle EPA Risk - Environment Assessment and Decision Analysis	UT-Battelle - ORNL	$100,000
Hollenbach, Kandace	Zooarchaeological Analysis of Bulldog Championship Park, Socorro, El Paso County	Hicks & Company	$569
Mays, Jimmy	Fundamentals of Ionic Conductivity in Polymeric Materials for Energy Storage	UT-Battelle - ORNL	$40,999
McCracken, Gary	Inventory and Documentation of Bats in Wrangell - St. Elias & Glacier Bay	U.S. Department of Interior - National Park Service	$15,798
Podar, Mircea	Targeted Metagenomics of Microbiota Associated with Adult and Pediatric	Ohio State University (AS400)	$226,306
Schmidt, Gilya	Arabic Language and Culture Across the Curriculum	U.S. Department of Education	$1,989
Sepaniak, Michael	Integrating Electrokinetic Separations with Surfaces Sampling Mass Spectrometry	UT-Battelle - ORNL	$7,676
Sokolov, Alexei	Theoretical Studies of Decoupling Phenomena in Dynamics of Soft Materials	UT-Battelle - ORNL	$23,520
Thompson, James	Formation and Properties of Materials for Advanced Energy Technologies	UT-Battelle - ORNL	$7,800
Williams, Richard	AS107 Operation and Maintenance	Southern Methodist University	$27,696
Zhu, Wenguang	Theory and Simulations of Nanoscale Materials	UT-Battelle - ORNL	$66,568
COLLEGE OF BUSINESS ADMINISTRATION			
Carruthers, Celeste	The Consequences of Tenure Reform	Northwestern University	$27,427
Murray, Matthew; Bruce, Donald; Fox, William; Luna, Leann	Economic Report to the Governor	State of Tennessee	$185,600
COLLEGE OF COMMUNICATION & INFORMATION			
Roessner, Lori	The Great Communicators	American Journalism Historians	$1,250
Suttles, Barbara	Technical Support to the National Transportation Research Center	UT-Battelle - ORNL	$2,814
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Cochran, Jeffrey	Preventing Juvenile Delinquency through Targeted Mental Health Counseling Services	State of Tennessee	$22,000
Kronick, Robert	Pond Gap After School Meal Program	TN Dept. of Human Services	$75,000
McFadden, Ronald	Student Support Services	U.S. Department of Education	$338,103
Raynor, Hollie	Enhancing Sleep Duration: Effects on Children's Eating and Activity	Miriam Hospital	$11,002
Smith, David	Newborn Hearing Program	State of Tennessee	$48,000
COLLEGE OF ENGINEERING			
Gao, Yanfei; Troparevsky, Maria	Theoretical Studies of Novel Properties of Metal/Alloy Nanoparticles	UT-Battelle - ORNL	$40,000
Hall, Howard	Technical Support for Nonproliferation Studies	UT-Battelle - ORNL	$21,845
Hayward, Jason	Radiation Detection Research and Development	UT-Battelle - ORNL	$8,424
Kihm, Kenneth	Multi-Scale Energy Transport in High Temperature Heat Pipes	Lockheed Martin	$87,405
Langston, Michael	Data Structures, Algorithms and Tools for Ontological Discovery	Jackson Laboratory	$78,671
Liu, Yilu	PSRC Industry Consortium	Rensselaer Polytechnic Inst.	$141,589
McHargue, Carl	Advanced Nuclear Materials and Fuels	UT-Battelle - ORNL	$62,225
McHargue, Carl; Evans, Neal	Electron Microscopy Research & Development Support	UT-Battelle - ORNL	$30,566
McHargue, Carl; Meisner, Roberta	Materials Characterization	UT-Battelle - ORNL	$38,007
Mench, Matthew	Studies of Regenerative Fuel Cell Architecture	UT-Battelle - ORNL	$7,501
Parker, Lynne	Analysis Tools for Sensor-Based Energy Modeling	UT-Battelle - ORNL	$65,192
Penumadu, Dayakar	Modeling of Multi-Physics Problems in Materials	UT-Battelle - ORNL	$23,989

AWARDS FOR OCTOBER 22–NOVEMBER 11, 2011 (CONT.)			
INVESTIGATOR	TITLE	SPONSOR	AWARD
Rack, Philip	Center for Nanophase Materials Science (CNMS)	UT-Battelle - ORNL	$25,000
Robinson, Kevin	Air Quality Emission Issues – Assessment of Composting as an Alternative	Tennessee Department of Transportation	$24,750
Ryerson, Megan	Airline Operation Efficiency, CO_2 Emissions, and Comparative Airline Ranking	University of California - Berkeley	$30,174
Sawhney, Rapinder	Creation of Industry Research Partnership - NIST Continuation	UT Institute of Public Service	$50,000
Upadhyaya, Belle; Hines, J.	In-situ Condition Monitoring of Components in Small Modular Reactors	DOE - US Dept. of Energy	$650,000
Wirth, Brian	Development of Multiscale Materials Modeling Techniques and Coarse-Graining	DOE - US Dept. of Energy	$750,000
Zawodzinski, Thomas; Paddison, Stephen	Development of Novel Non-PT Group Metal Electrocatalysts for PEM Fuel Cell	Northeastern University-Division of Research	$127,933
COLLEGE OF SOCIAL WORK			
Campbell, Paul; Cheatham, Joanna	Boys and Girls Club Program Assessment	Boys and Girls Club	$14,942
Campbell, Paul; Cheatham, Joanna; Cunningham, Maryanne	Child Care Research and Evaluation FY12 (STARS)	Tennessee Department of Human Services	$1,304,129
Cassie, Kimberly	Evaluating Pipeline Programs Designed for Recruitment into Entry Level Health	Robert Wood Johnson Foundation	$75,000
Choi, Sunha	Contextual Effects of Community Characteristics on Health Care Behaviors	Lois and Samuel Silberman Fund N.Y. Community Trust	$19,900
Cummings, Sherry	Leadership Education Excellence in Caring for Children with Neurodevelopmental and Related Disabilities	Vanderbilt University Medical Center	$9,373
Glisson, Charles	Establishing National Child Welfare Agency Norms for the Organizational Social	University of Tennessee Research Foundation	$24,904
Wodarski, John; Macmaster, Samuel	The Expanded Care Coordination Through the Use of Health Information Technology	DHHS - Department of Health and Human Services	$279,659
CAMPUS CENTERS & INSTITUTES			
Bell, Larry	Sigma Space - NASA/LBA	Sigma Space Corporation	$11,414
Eldridge, Melanie; Connolly, Michelle; Layton, Alice; Menn, Fu-Min; Meyers, Arthur	Leaching of Potential Trace Organic Contaminants from Land-applied Biosolids	Hampton Roads Sanitation District	$413,039
Hanahan, Ruth; Gangaware, Timothy	Tennessee Yards & Neighborhoods (TYN) Framework: Retooling for an Enduring	Tennessee Department of Agriculture-Tennessee	$11,140
Harrison, Robert	Probalistic Quantification in Multidimensional Systems	UT-Battelle - ORNL	$38,435
Harrison, Robert	Fabrication and Testing of Novel Sources of Entangled Photons	UT-Battelle - ORNL	$28,000
Harrison, Robert	Fluids in Nanoporous Matrices	UT-Battelle - ORNL	$119,432
Sayler, Gary	Biogeochemical and Molecular Mechanisms Controlling Contaminant	UT-Battelle - ORNL	$75,380
Webster, Sheila	Worker Training at Department of Energy Facilities	DHHS - NIH - National Institute of Environmental Sciences	$107,500
OTHER			
Pierce, Carl	Assessment of Incentives and Employment Impacts of Solar Industry	Solar Energy Industries Assoc	$125,000
Riedinger, Leo	Timothy Jackson ESE CIRE	UT-Battelle - ORNL	$8,500

WANTED!

Faculty Nominations for Scholar of the Week

Quest
Scholar of the Week

The Scholar of the Week is a service of the UTK Office of Research. Through this award we recognize the recent important research, scholarship, and creative accomplishment of our faculty members. Recognition by peers as an independent, original, and substantive researcher includes:

- Publication of original research in rigorously refereed major journals
- A major exhibit or performance at a national or international venue
- A record of national grant or fellowship support awarded through peer-review
- National or international prizes or awards
- Invitation to hold endowed lectureships
- Invited lectures, particularly at major scholarly meetings

Faculty members may be nominated only by deans, department heads, and other faculty members. Nominations should include a short paragraph that includes the department and rank of the scholar, states his or her specific field of work within the discipline, and describes the scholar's most recent noteworthy accomplishment. The paragraph may also list significant previous scholarly awards and memberships.

Please send your nominations to Alan Rutenberg at arutenberg@utk.edu and provide a photograph or a link to a photograph. Descriptions should be in simple, nontechnical language for a general audience, but when relevant they should also include citations for the benefit of other scholars.

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