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Awards and Recognitions

Office of Research & Engagement

3-4-2009

Office of Research, Awards & Recognition, March 04, 2009

University of Tennessee Office of Research

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Recommended Citation

Office of Research, University of Tennessee, "Office of Research, Awards & Recognition, March 04, 2009" (2009). *Awards and Recognitions*.
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AWARDS AND RECOGNITIONS

MARCH 4, 2009

AWARDS FOR THE UNIVERSITY OF TENNESSEE, KNOXVILLE FOR FEBRUARY 13–26, 2009

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Abidi, Besma Roui	An Aquisition Platform for Non-Cooperative Long Range Ocular Biometrics	West Virginia University	\$28,000
Baker, David C.	Hydration Drive Processes in Bioenergy	UT-Battelle, LLC-ORNL	\$40,000
Compton, Robert N.	Electronic and Optical Properties of Single-Wall Carbon Nanotubes and Their Polymer Composites	UT-Battelle, LLC-ORNL	\$8,507
Decorse, Elizabeth Kellar	Archaeological Survey for Phase 1A of the Yuma Sewer Project, Scott County, Virginia	Scott County Public Service Authority	\$919
Decorse, Elizabeth Kellar	Phase I Archaeological Surey for Restroom Facilities at Sequoyah Park, Knox County, TN	City of Knoxville	\$11,251
Decorse, Elizabeth Kellar; Driskell, Boyce N.	Phase I Archaeological Survey, SR 126 from North Center Street to I-81, Sullivan County, TN	TN Dept of Transportation	\$68,553
Emery, Joshua Patrick	The Warm Spitzer NEO Survey: Exploring the History of the Inner Solar System and near-Earth Objects	NASA - Jet Propulsion Laboratory - California Institute of Tec	\$92,531
Hallam, Thomas G.	Environmental Risk and Modeling Information	UT-Battelle, LLC-ORNL	\$140,000
Hatcher, Robert D.	Large Earthquake Seismology in the East Tennessee Seismic Zone: Justification for a one-Year Pilot Study	U.S. Nuclear Regulatory Commission	\$35,000
Hollenbach, Kandace Renee	Paleoethnobotanical Analysis of 1MG910 and 1MG927, Morgan County, Alabama	MRS Consultants, LLC	\$2,276
Hollenbach, Kandace Renee	Paleoethnobotanical Analysis of 1HA303 and 1HA305, Hale County, Alabama	MRS Consultants, LLC	\$2,499
Hollenbach, Kandace Renee	Paleoethnobotanical Analysis of the Mansour Site (46CB42), Cabell County, West Virginia	Wilbur Smith Associates	\$2,962
Mcsween, Harry Y.	ORNL Support for L. Anovitz	UT-Battelle, LLC-ORNL	\$31,019
Nazarewicz, Witold	Theoretical Description of the Fission Process	US Department of Energy - Golden Field Office	\$75,000
Quinn, John J	Composite Fermion Approach to Strongly Interacting Quasi Two Dimensional Electron Gas Systems	US Department of Energy - Golden Field Office	\$15,000
Sepaniak, Michael J.	Siloxane Compound Sensing Using Microcantilever Transducers	UT-Battelle, LLC-ORNL	\$52,850
Spanier, Stefan M.	Memorandum of Understanding	Other industry non-specified	\$11,817
Weitering, Hanno H.	Ultrathin Oxide Growth and Characterization	UT-Battelle, LLC-ORNL	\$54,564
COLLEGE OF ENGINEERING			
Arimilli, Rao V.	Direct-Cooled Power Electronics Substrate Designs	UT-Battelle, LLC-ORNL	\$10,000
Cherry, Christopher Robin	Analysis of Environmental Impacts of Electric Bike Use in China and Prospects for Future Development	Clean Air Initiative: ASIA	\$17,000
Fathy, Aly E.	Dielectric Probe Development	B&W Y-12, LLC	\$100,000
George, Easo P.	Study and Characterization of Stainless Steels for Energy Systems Applications	UT-Battelle, LLC-ORNL	\$19,942
Islam, Syed K.	Engineering Design and Analysis of Apd Algorithm Development Board	Siemens	\$10,956
Joy, David C.; Rack, Phillip D.	Advandc Ion Microscopy for Metrology, Review, and Lithography	Semiconductor Research Corporation	\$55,000
Newsom, Theodore J.	Statewide Van Project	Pyramid Recovery Center, Inc	\$25,000
Nguyen, Ke	Thermal Aging Of Lnts Using A Bench-Flow Reactor	UT-Battelle, LLC-ORNL	\$3,000
Paddison, Stephen J.	Membranes and MEA's for Dry, Hot Operating Conditions	3M Sourcing Operations	\$140,000
Pharr, George M.	Piezoceramic and Piezoceramic Multilayer Actuator Characterization	UT-Battelle, LLC-ORNL	\$10,871
Urbanik, Thomas	Support to Decision Engineering Group/Pillai	UT-Battelle, LLC-ORNL	\$16,804
Wu, Jie	Developing COMSOL Simulation Model for Electric Stimulation by Microelectrodes	UT-Battelle, LLC-ORNL	\$5,704
Zhao, Xiaopeng	CAREER: Integrated Research and Education in Nonlinear Dynamics in Biological Systems	National Science Foundation	\$425,807

AWARDS FOR THE UNIVERSITY OF TENNESSEE, KNOXVILLE FOR FEBRUARY 13–26, 2009 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
CAMPUS CENTERS & JOINT INSTITUTES			
Geibig, Jack R.	UT-Eastman PO 41501730	Eastman Chemical Compay	\$25,260
Pfiffner, Susan M.	Microbial Support for FE Projects	UT-Battelle, LLC-ORNL	\$49,998
Zacharia, Thomas	Data Integration of Large-scale Heterogeneous Biological Data	UT-Battelle, LLC-ORNL	\$65,530

CORRECTIONS FROM THE FEBRUARY 18, 2009 EDITION

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Plechac, Petr	Multisolution analysis methods and algorithms for stochastic systems	UT-Battelle, LLC-ORNL	\$64,602
COLLEGE OF ENGINEERING			
Dongarra, Jack	Exploring Novel Aproaches for Achieving Scalable Performance on Emerging Hybrid and Multi-Core Architectures for Linear Algebra Algoritmmms and Software	Microsoft Corporation, Inc	\$400,000

RECOGNITIONS

Christopher Craig, Lindsay Young Professor of Classics and Director of College Scholars, was recently invited to deliver the 2009 Stocker Lecture in Classics at the University of Virginia. The title of his presentation was "The Theory and Practice of Outrage in Cicero's Defense Speeches."

Ernest Freeberg, associate professor of history, has received the Langum Charitable Trust's David J. Langum Sr. Prize in American Legal History for his book, *Democracy's Prisoner: Eugene V. Debs, The Great War, and the Right to Dissent*. The annual award goes to a book rooted in sound scholarship, accessible to the educated general reader, and touches upon topics of general interest to the American public.

Wes Hines, Interim Associate Dean for Research & Technology and professor of nuclear engineering, recently accepted a position on the Board of Directors of the Prognostics and Health Management Society. This group is dedicated to promoting the development, growth and recognition of prognostics and health management as an engineering discipline.

Michael Kulikowski, Riggsby Director of the Marco Institute for Medieval and Renaissance Studies, wrote book review that was published in the February 12, 2009, issue of the London Review of Books. Kulikowski's review, "Bed-Hopping and Coup-Plotting," examines the book *Attila the Hun: Barbarian Terror and the Fall of the Roman Empire* by Christopher Kelly.

Bruce MacLennan, associate professor in the Department of Electrical Engineering and Computer Science, was named editor-in-chief of the *International Journal of Nanotechnology and Molecular Computation*. The journal aims to publish groundbreaking and innovative research in nanotechnology and molecular computation, with a focus on the intersection of nanoscience and computer science.

Mary McAlpin, associate professor of French, has been elected to a five-year term as a member of the Modern Languages Association Divisional Committee on Eighteenth-Century French Studies, for the years 2009-2013.

Lydia Pulsipher, emeritus professor in the geography department, recently received the Preston E. James Eminent Latin Americanist Career Award in recognition of her outstanding research contributions on the geography of Latin America and the Caribbean and the significant impact of her research within and beyond academia.

Claudia Rawn, assistant professor of materials science and engineering, was invited to serve as a member of the U.S. National Committee for Crystallography. This group

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promotes the advancement of the science of crystallography worldwide with members from various disciplines.

Tom Urbanik, Goodrich Chair of Excellence and Professor in the Department of Civil and Environmental Engineering, was presented the 2008 Individual Service Award from the Tennessee Section of the Institute of Transportation Engineers. He was recognized for significant contributions to the advancement of the transportation profession at the state and regional levels.

Michael Neilan, graduate student in mathematics, recently became the first UT awardee of a NSF Mathematical Sciences Postdoctoral Research Fellowship. His research develops efficient numerical methods and algorithms for solving fully nonlinear partial differential equations (PDEs) that arise from various scientific and engineering applications.

Brad O'Dell, a senior College Scholar and Chemistry student, was awarded a NIH/OxCam Fellowship for his graduate education at Cambridge University. He plans to do graduate work in NMR spectroscopy/imaging.

WANTED: News & Nominations

The UT Office of Research is seeking research news and opportunities, scholarly and professional recognition, and nominations for "Scholar of the Week."

Send items for either *News & Opportunities* (the green newsletter) or *Awards & Recognition* (the gold newsletter) to Craig Cook (ccook10@utk.edu), preferably by the Wednesday preceding the expected publication date.

To nominate a colleague for "Scholar of the Week," send a note to Dennis McCarthy (dmmccarthy@utk.edu).