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Awards and Recognitions

Office of Research & Engagement

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Office of Research, Awards & Recognition, February 18, 2009

University of Tennessee Office of Research

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AWARDS AND RECOGNITIONS

FEBRUARY 18, 2009

AWARDS FOR THE UNIVERSITY OF TENNESSEE, KNOXVILLE FOR JAN. 30–FEB. 12, 2009

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Barnes, Craig Eliot	Nanostructured Metal Oxide Catalysts via Building Block Syntheses	US Dept of Energy - Energy and Technology	\$250,000
Butler, Paul D.	Construction of SANS Portion of DANSE Software Project	California Institute of Technology	\$126,706
Decorse, Elizabeth Kellar	Phase I Archaeological Survey, SR 126 from North Center Street to I-81, Sullivan County, TN	TN Dept of Transportation	\$39,288
Gavrilets, Sergey; Vose, Michael D.	New Approaches to Modeling of Speciation	NIH - National Institute of General Medical Sciences	\$159,229
Grzywacz, Robert Kazimierz	Comprehensive Beta Decay Measurements of Very Neutron Rich Nuclei	Rutgers - The State University of New Jersey	\$133,132
Harrison, Robert J.	Developing of a Microscopic Theory of Electron-Phono Coupling and its Consequence on Electronphonon Coupling and its Consequences of Electronic Transp	UT-Battelle, LLC-ORNL	\$36,188
Perfect, Edmund	Upscaling the Saturated and unsaturated transport of U(VI) in Heterogeneous Mixtures	UT-Battelle, LLC-ORNL	\$37,491
Plechac, Petr	Multiresolution analysis methods and algorithms for stochastic systems	UT-Battelle, LLC-ORNL	\$64,602
Schmidt, Gilya Gerda C	Schusterman Visiting Israeli Professor	The American-Israeli Cooperative Enterprise	\$60,000
Taylor, Lawrence A.; McSween, Harry Y.; Liu, Yang	Evolution of Planetary Crusts and Mantles: Moon and Mars	NASA - Headquarters Washington, DC	\$298,000
COLLEGE OF BUSINESS ADMINISTRATION			
Miller, Alex; Riblett, John E.; Barton, Rhonda W.	Continuous Process Improvement in Air Force Acquisition	Air Force	\$2,441,369
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Brewer, Ernest W.	TDHS/Summer Food/PCUB	State of Tennessee	\$5,137
Brewer, Ernest W.	TDHS/Summer Food/MSC	State of Tennessee	\$4,110
Brewer, Ernest W.	TDHS/Summer Food/AEUB (Academic Enrichment Upward Bound)	State of Tennessee	\$4,521
Raynor, Hollie	Reducing Snack Food Variety During Obesity Treatment	NIH - National Institute Diabetes, Digestive and Kidney Dis.	\$14,557
COLLEGE OF ENGINEERING			
Dongarra, Jack	Exploring Novel Approaches for Achieving Scalable Performance on Emerging Hybrid and Multi-Core Architectures for Linear Algebra Algorithms and Software	Microsoft Corporation, Inc	\$400,000
Dongarra, Jack; Moore, Shirley V; Cronk, David C.	Programming and Environment Training II- Computational Environments	Mississippi State University	\$1,413,105
Langston, Michael A.	Scalable Computational Methods for the Analysis of High-throughput Biological Data	US Dept of Energy - Energy and Technology	\$150,000
Liaw, Peter K.; Liu, Chain-Tsuan	Computational and Experimental Design of FE-Based Superalloys for Elevated-Temperature Applications	US Department of Energy - National Energy Technology	\$300,000
Mchargue, Carl J.	Electron Microscopy Research & Development Support	UT-Battelle, LLC-ORNL	\$40,164
Mchargue, Carl J.; Kulkarni, Nagraj S.	High Throughput Isotopic Diffusion Databases for Integrated Computational Materials Engineering	UT-Battelle, LLC-ORNL	\$20,476
Narula, Chaitanya K.	First Principle Theoretical Studies of Heterogenous Catalysts	UT-Battelle, LLC-ORNL	\$5,000
Nguyen, Ke	Engine Friction and Wear	UT-Battelle, LLC-ORNL	\$10,000
Paddison, Stephen J.	Multi-Scale Modeling of Proton Transport, Water Distribution, and Methanol Permeability	U.S. Army Research Office	\$124,815
Rack, Phillip D.	SBIR: Laser Assisted Electron Beam Induced Processing	National Science Foundation	\$32,977
Sawhney, Rapinder S.; Li, Xueping	Transforming Data into Information via Statistical Analysis and Data Mining	Halliburton Energy Services, Inc.	\$30,000
Straight, David W.	STARS Alliance Extension	University of North Carolina at Charlotte	\$23,290
Urbanik, Thomas II; Alvic, Donald R.	Fuel Economy Guide	UT-Battelle, LLC-ORNL	\$24,254
Wang, Xiaorui	CAREER: Coordinated Power and Thermal Management for Virtualized Data Centers: Algorithms, Fram	National Science Foundation	\$76,130

AWARDS FOR THE UNIVERSITY OF TENNESSEE, KNOXVILLE FOR JAN. 30–FEB. 12, 2009 (CONT.)

COLLEGE OF LAW			
Goodwin, Iris Jane	Iris Goowin/Univ of Richmond Fall 07	University of Richmond	\$56,351
UNIVERSITY LIBRARIES			
Atkins, David P.	Interlibrary Services Agreement Between Tennessee State Library and Archives and UTK Libraries	State of Tennessee	\$5,218
CAMPUS CENTERS & JOINT INSTITUTES			
English, Mary	UT Water Study Contract	State of Tennessee	\$38,842
Geibig, Jack R.	UT-Eastman PO 41501730	Eastman Chemical Compay	\$4,080
Geibig, Jack R.	Basic Ordering Agreement	TerraChoice Environmental Marketing	\$2,500

RECOGNITIONS

Heather Douglas, associate professor of philosophy, was recently elected to the American Association for the Advancement of Science (AAAS) Section Committee on History and Philosophy of Science.

Lars Eriksson, adjunct professor in the Department of Materials Science and Engineering and researcher at the Scintillation Materials Research Center, was elected a Fellow of the Institute for Electrical and Electronics Engineers (IEEE) for his work in the development of instrumentation and methodologies for molecular imaging.

Robert J. Norrell, professor of history, was featured in recent issues of the Wall Street Journal and the New Yorker Magazine for his book *Up from History: The Life of Booker T. Washington*.

Stephen Paddison, associate professor in the Department of Chemical and Biomolecular Engineering, co-edited a recently published book, *Device and Materials Modeling in PEM Fuel Cells*, with Dr. Keith Promislow of San Francisco University.

Jim Stovall, adjunct professor of journalism, recently published his first novel *Kill the Quarterback* — a mystery/thriller about a police reporter in Nashville who covers the investigation into the murder of a star college quarterback.

Xiaorui Wang, assistant professor in the Department of Electrical Engineering and Computer Science, received a National Science Foundation (NSF) Faculty Early Career Development (CAREER) Award. This \$420,000 award will support his research on power and thermal management for virtualized data centers.

Manoel Castro-Neto, graduate student in civil engineering, was awarded a 2009 Executive Leadership Fellowship from the International Road Federation.

Daniel L. Ellis, third-year College of Law student, has won the Tennessee Bar Association's Law Student Volunteer Award. Ellis was recognized for his work on behalf of advocacy issues with organizations including the Children's Advocacy Network, Legal Aid of East Tennessee, the Disability Resource Center and UT's Pro Bono Program.

Jaclyn Gonzales, senior in advertising, was recently recognized by the American Advertising Federation as one of the 40 most talented minority students in the United States.

Rachael Neilan, graduate student in mathematics, was recently featured in an issue of *Nature* magazine. The report focused on her mathematical modeling of cholera research. Neilan's work is supported by the National Science Foundation and develops the first-ever methods for the best intervention strategies for cholera treatment.

Josh Robbins, graduate student in the Department of English, has won the James Wright Poetry Prize for his poem, "Against Forgiveness." The prize includes a \$1,000 award and publication of the poem in the journal *Mid-American Review*.

<http://research.utk.edu>

The College of Law's Trademark Moot Court Team of **Chris Collins**, **Sally Goade** and **Patrick Hawley** captured the 2009 Regional Championship in Atlanta and qualified for the national "Final Four" in Washington, D.C.

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).