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Awards and Recognitions

Office of Research & Engagement

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2-17-2010

## Office of Research, Awards & Recognition, February 17, 2010

University of Tennessee Office of Research

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### Recommended Citation

Office of Research, University of Tennessee, "Office of Research, Awards & Recognition, February 17, 2010" (2010). *Awards and Recognitions*.  
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## AWARDS AND RECOGNITIONS

<http://research.utk.edu>

FEBRUARY 17, 2010

### AWARDS FOR JANUARY 29–FEBRUARY 11, 2010

INVESTIGATOR	TITLE	SPONSOR	AWARD
<b>COLLEGE OF ARTS &amp; SCIENCES</b>			
Burr, Devon Marjorie	Raised Curvilinear Features (RCFS) in the Western Medusae Fossae Formation (MFF): Mapping, Characterization, and Modeling	NASA - Headquarters Washington, DC	\$14,963
Decorse, Elizabeth Kellar	Site Delineation Survey of the Dougherty Bridge Project Easement, Hamilton County, Tennessee	Tennessee Valley Authority	\$2,987
Decorse, Elizabeth Kellar	Phase I Archaeological Survey of the Glen Hills Utility District County Pumpstation and Tank, Greene County, Tennessee	Other industry non-specified	\$2,272
Decorse, Elizabeth Kellar	Archaeological Survey for Phase 2 of the Yuma Sewer Project, Scott County, Virginia	Other industry foundations non-spec	\$22,613
Driskell, Boyce N.	An Inventory of Sig. Prehistoric Archaeological Sites within the Duck River Unit of the TN National Wildlife Refuge, Benton and Humphreys Counties, TN	Tennessee Valley Authority	\$198,927
Feigerle, Charles S.	Ultrafast Laser Spectroscopy of Surfaces	UT-Battelle - ORNL	\$10,587
Feigerle, Charles S.	Boron Phosphide Thin Film Synthesis	B&W Y-12, LLC	\$45,000
Gage, Matthew David	Section 106 Compliance-Watts Bar/Clinch and Little Tennessee Watersheds	Tennessee Valley Authority	\$22,719
Harden, Carol P.; Lee, Jaehoon	Collaborative Research: Effects of Land-Use Change on the Production of Ecosystem Services	National Science Foundation	\$77,418
Mays, Jimmy W.	Poly(cyclohexadien)-Based Electrolytes for Batteries	UT-Battelle - ORNL	\$24,500
Moreo, Adriana	Joint Faculty	UT-Battelle - ORNL	\$78,464
Perfect, Edmund	Neutron Imaging of Fluids in Rocks and Soils	UT-Battelle - ORNL	\$50,562
Peterson, Cynthia B.	Research Assistant - Proteomic Characterization	UT-Battelle - ORNL	\$56,250
Sepaniak, Michael J.	Microcantilever Transducers: Hydrogen Detection	UT-Battelle - ORNL	\$21,767
Spanier, Stefan M.	Memorandum of Understanding	Fermi National Accelerator Laboratory	\$34,186
<b>COLLEGE OF BUSINESS ADMINISTRATION</b>			
Murray, Matthew N.	Economic Report to the Governor	State of Tennessee	\$185,619
<b>COLLEGE OF ENGINEERING</b>			
Arimilli, Rao V.	Calc. Rev. & Development of Improved COMSOL-Based 2-D Thermal-Hydraulic Model for HFIR Core	UT-Battelle - ORNL	\$40,000
Blalock, Benjamin J.	Georgia Institute of Technology	Georgia Institute of Technology - Electrical and Computer Engr.	\$15,000
Bray, Larry Goddard	The Potential Contribution of Commercial Navigation to Freight Mobility in the Tennessee River Basin	US Army Corps of Engineers	\$99,000
Britton, Charles L.; Blalock, Benjamin J.	Designing and Producing the LSST Front End Electronics Known as the Sensor Control Chip, RFP No. 3047	Stanford University GCEP	\$76,449
Cate, Matthew A.	Fiscal Year 2010 Statewide Survey of Safety Belt and Motorcycle Helmet Usage in Tennessee	TN Dept. of Transportation - Division of Planning	\$62,144
Fathy, Aly E.	Intelligent Remote Sensing for Urban Warfare Operations	Villanova University	\$50,000
He, Qiang; Robinson, Robert Bruce	Development of a Web-Based Educational Module on Membrane Systems	University of New Hampshire	\$64,772
Langston, Michael A.	DOE-BER Proteomics Project	UT-Battelle - ORNL	\$19,032
Liaw, Peter K.	Neutron-Scattering Studies of Depleted Uranium	B&W Y-12, LLC	\$60,000
Liu, Yilu	Fundamental Research to Improve the Understanding of the Accuracy, Reliability, and Validity of Using the ENF Criterion for Forensic Auth. of Dig. Rec	Virginia Tech - Office of Sponsored Programs	\$428,993
Liu, Yilu	Transformer Model Study	ABB	\$41,999
McHargue, Carl J.; Bai, Jianming	X-Ray Diffraction Research at the National Synchrotron Light Source	UT-Battelle - ORNL	\$33,474
Rack, Philip D.	Electron Beam Assisted Deposition and Etching in Support of Conductive Carbon Nanotube AFM Tips for Scanning Probe Microscopy	Xidex Corporation	\$15,000
Sawhney, Rapinder S.	TLD Dosimetry Packaging Project	UT-Battelle - ORNL	\$4,000
Townsend, Lawrence W.	Lunar Reconnaissance Orbiter	Boston University	\$4,560
Zawodzinski, Thomas Anthony	Governor's Chair in Energy Storage	UT-Battelle - ORNL	\$75,978
<b>COLLEGE OF SOCIAL WORK</b>			
Campbell, Paul M.; Cheatham, Joanna; Cunningham, Maryanne Lynch	Child Care Assessment Supportive Services Program	TN Dept. of Human Services	\$41,000

## AWARDS FOR JANUARY 29–FEBRUARY 11, 2010 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
<b>CAMPUS CENTERS &amp; JOINT INSTITUTES</b>			
Andrews, Philip Lawrence	TeraGrid GIG PY6 Subaward	University of Chicago	\$752,331
Nichols, Jeffrey Alan	Develop 3-D Diffusion/Evolution Equations	UT-Battelle - ORNL	\$121,212
Nichols, Jeffrey Alan	LIMS for Bioenergy Center	UT-Battelle - ORNL	\$28,787
Nichols, Jeffrey Alan; Zacharia, Thomas	Memory Subsystem of a PetaScale Computer Platform	UT-Battelle - ORNL	\$123,445
Wilt, Catherine; Geibig, Jack	Continuance of EPEAT: Development of a Standard for Green Servers	UT-Battelle - ORNL	\$52,000
Greene, David; Shelton, Robert B.	Reducing Greenhouse Gas Emissions from U.S. Transportation	Pew Charitable Trusts	\$50,000

### RECOGNITIONS

**Charles Qing Cao**, assistant professor in the Department of Electrical Engineering and Computer Science, has received a National Science Foundation CAREER Award. The title of the award is "CAREER: Operating System Based Energy Virtualization for Sensor Networks."

**Joseph V. Carcello**, Ernst & Young Professor in the Department of Accounting and Information Management and the director of research for the Corporate Governance Center, has received the 2010 Tennessee Society of Certified Public Accountants Distinguished Achievement in Accounting Education Award.

**Joy DeSensi**, professor in the Department of Exercise, Sport, and Leisure Studies and associate dean of the UT Knoxville Graduate School, recently received the 2010 Distinguished Scholar Award from the National Association for Kinesiology and Physical Education in Higher Education. DeSensi was recognized for her scholarship of sociocultural issues in sports, including all aspects of diversity and ethics in sport management.

**David Gold**, assistant professor of English, will receive the 2010 Outstanding Book Award from the Conference of College Composition and Communication for his book, *Writing at the Margins: Revising the History of Writing Instruction in America, 1873-1947*. CCCC presents the award annually for exceptional work in composition and rhetoric.

**Baoshan Huang**, associate professor in the Department of Civil and Environmental Engineering, was named chairman of the Bituminous Materials Committee of the American Society for Civil Engineers for 2010–2012.

**Avigail Sachs**, instructor in the School of Architecture, was recognized by the Association of Collegiate Schools of Architecture and the Journal of Architectural Education with the 2009-2010 Best Scholarship of Design Article Award.

**Tricia Stuth**, associate professor in the College of Architecture + Design, was recognized by the Association of Collegiate Schools of Architecture and the American Institute of Architecture Students with the 2009-2010 New Faculty Teaching Award. Stuth is one of only three architecture faculty in the country to receive this year's honor.

*Fundamentals of Financial Management (13th ed.)* by James Van Horne and **John M. Wachowicz** was recently published in a Russian-language version by Williams Publishing House. Wachowicz is a professor in the Department of Finance.

**Jan R. Williams**, dean of the College of Business Administration and the Stokely Foundation Leadership Chair, was elected to a three-year term (the first year as vice chair-elect) with the board of directors of the Association to Advance Collegiate Schools of Business International.

**Adboulaye Yansané**, graduate teaching assistant in the Department of Modern Foreign Languages and Literatures (French), has just had his first novel, *Destinées*, published with Editions Phoenix.

### INVENTION DISCLOSURES

The University of Tennessee Institute of Agriculture disclosed one invention in January: "Novel cellulases for biofuels production" by **Juan Luis Jurat-Fuentes**, **Cristopher Oppert**, **William Klingeman**, and **Brenda Oppert**.

### UT Teams Compete in GlobalVenture Challenge

Two teams from the University of Tennessee have been chosen for the GlobalVenture Challenge to be hosted at Oak Ridge National Laboratory on March 25-26.

Some 22 national and international teams are competing in the contests, which include cash prizes.

The UT Domani team was chosen for the Advanced Materials for a Sustainable Energy Future track. **Shaleen Khurana**, **Theodore Twyman**, **Suraj Mehra**, and **Clint Stapleton** make up the team, advised by **Glenn Swift** and **Pat Richardson**, lecturers in management.

The UT Lab Chip-Based Chlorophyll Fluorometer team will compete in the Community Resilience and Homeland Security track. Its members are **James Wilson**, **Kai Yang**, and **Quan Yuan**, advised by **Jie Wu**, assistant professor in electrical engineering and computer science.

The U.S. Department of Energy and the Community and Regional Resilience Initiative, respectively, sponsor the competitions.

The event focuses on graduate student teams developing innovations in energy and security, and will include a venture showcase where companies focused on energy efficiency products and services will be able to interact with industry and the investment community.

### 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 & Recognitions* (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).

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