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Office of Research, Awards & Recognition, September 23, 2009

University of Tennessee Office of Research

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AWARDS AND RECOGNITIONS

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SEPTEMBER 23, 2009

AWARDS FOR SEPTEMBER 4–17, 2009

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARCHITECTURE & DESIGN			
Stuth, Tricia Anne; Wilt, Catherine A.; Ezzell, Timothy	The New Norris House: A Sustainable Home for the 21st Century, Phase II	Environmental Protection Agency	\$74,999
COLLEGE OF ARTS & SCIENCES			
Anderson, David George	Participating Agreement between USDA Forest Service and UT (Kisatchie National Forest)	USDA - Forest Service	\$34,776
Butler, Paul D.	Construction of SANS Portion of DANSE Software Project	California Institute of Technology	\$162,585
Compton, Robert N.	Multiple-Bound Negative Ions	National Science Foundation	\$126,311
Efremenko, Yuri V.	Joint Faculty	UT-Battelle - ORNL	\$14,260
Feller, Daniel M.	The Papers of Andrew Jackson	National Historical Publications and Records Commission	\$172,160
Gordon, Kristina Coop	En-Pareja: A Latino Couples Intervention to Help Expectant Fathers Quit Smoking	Duke University Medical Center - Office of Grants and Contracts	\$28,322
Guiochon, Georges A.	Separation of Highly Complex Mixtures by Two-Dimension Liquid Chromatography	Department of Energy - Office of Science	\$240,000
Horn, Sally P.; Grissino-Mayer, Henri D.	CESU-Sedimentary and Dendrochronological Evidence of Fire History in the Florida Keys, USA	US Fish and Wildlife Service	\$61,853
Mannella, Norman; Weitering, Hanno H.; Taylor, Lawrence A.; Larese, John Z.; Biggerstaff, John Patrick	Acquisition of Major Research Instrumentation for Advanced Photoelectron Spectroscopy with Spin, Angle and Spatial Resolution	National Science Foundation	\$592,200
Mazur, Peter; Roberts, Daniel M.	Aquaporins, Ice Formation in Cells, and Cryopreservation	NIH - National Center for Research Resources	\$124,465
Moersch, Jeffrey E.	Subcontract work for: Thermal Behavior and Detection of Caves on Earth and Mars	SETI Institute	\$83,338
Moreo, Adriana	Joint Faculty	UT-Battelle - ORNL	\$15,693
Taylor, Lawrence A.	Miniaturization of an Environmental Scanning Electron Microscope for Remote Planetary Studies: Science Advisory Team	NASA-Marshall Space Flight Center-Financial Management Office	\$24,000
Weiering, Hanno H	Joint Faculty	UT-Battelle - ORNL	\$5,110
Wilhelm, Steven W.	Collaborative Research: Decoding Virus Leviathans	National Science Foundation	\$275,004
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Benner, Susan Mclean	Tennessee's Early Intervention System (TEIS)	TN Dept of Education	\$70,000
Mulligan, Geraldine Ann	Adult Education Professional Development and Technical Assistance	Tennessee Department of Labor and Workforce Development	\$585,616
Stephens, Jean	Ovae Associates Initiative	MPR Associates, Inc.	\$28,168
COLLEGE OF ENGINEERING			
Arel, Itamar; Tomsovic, Kevin Louis	Workshop: Improving Domestic Student Participation in Electrical and Computer Engineering	National Science Foundation	\$50,000
Arimilli, Rao V.	Direct-Cooled Power Electronics Substrate Designs	UT-Battelle - ORNL	\$1,000
Birdwell, John D.; Wang, Tse-Wei; Icovc, David J.; Horn, Sally P.	Similarity-Based Indexing and Search of Database for Correlation of Object Properties with Ref	Army - United States Army Aviation and Missile Command	\$745,335
Bosilca, George Martian; Dongarra, Jack	Graduate Student Support for MPI-Related Work	UT-Battelle - ORNL	\$5,000
Choo, Hahn	Neutron and X-Ray Diffraction Analyses of Deformation-Induced Martensitic Phase Transformation	POSCO	\$47,000
Desmidt, Hans August	Comprehensive Variable Speed Rotorcraft Propulsion System Modeling and Analysis with Coupled Engine/Transmission/Rotor Dynamics	Pennsylvania State University	\$68,974
Halstead, Peter D.	Quality Systems Review, Headgear Product Evaluation	Adams USA, Inc.	\$24,000
Hayward, Jason Peter	ARI-MA Research Program in Exploitation of Time-Correlated Signatures and Directionality to Detect Shielded Highly-Enriched Uranium	National Science Foundation	\$399,654
He, Qiang; Hawkins, Shawn A.; Cox, Chris D.	An Innovative Design of Anaerobic Co-digestion of Animal Wastes for Sustainable Development	Environmental Protection Agency	\$10,000
Hu, Bin	Exploring Electrical and Magnetic Resonances from Coherently Correlated Long-Lived Radical Pair	Air Force Office of Scientific Research	\$81,459
McHargue, Carl J.; Stewart, David Michael	Modeling And Simulation Studies In Support Of Nuclear Energy Systems	UT-Battelle - ORNL	\$19,600
Schwartz, John Steven	Development of Guidance for Reliable Bed-Material Transport Estimates for Gravel-Bed Streams	Tennessee Stream Mitigation Program	\$124,866

AWARDS FOR SEPTEMBER 4–17, 2009 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF SOCIAL WORK			
Campbell, Paul M.; Cunningham, Maryanne Lynch; Cunningham, Mary C.; Cheatham, Joanna	Child Care Assessment Supportive Services Program	TN Dept of Human Services	\$2,270,000
Glisson, Charles A.; Hemmelgarn, Anthony Lee; Green, Philip D.; Dukes, Denzel L.; Cheatham, Joanna	Testing an Organizational Implementation Strategy in Children's Mental Health	NIH-National Institute of Mental Health	\$644,888
CAMPUS CENTERS & JOINT INSTITUTES			
Wood, Pia Christina	Peace Corps Recruiter	Peace Corps	\$13,650
Bell, Larry L.	Sigma Space - NASA/LBA	Sigma Space Corporation	\$11,834
Ou, Miao-Jung	ARRA: Collaborative Research: Novel Mathematical Methods for Retrieving Mechanical Properties and Microstructural Information of Cancellous Bones	National Science Foundation	\$101,222
Sayler, Gary S.; Zhuang, Jie; Gentry, Randall W.	US-China Joint Workshop on "Climate-Energy Nexus"	US Dept of Energy - Energy and Technology	\$49,860
Zacharia, Thomas	ARRA: Collaborative Research: An EPSCoR Desktop to Teragrid EcoSystem	National Science Foundation	\$2,675,331

RECOGNITIONS

Jim Bemiller, assistant professor in the Exercise, Sports and Leisure Studies Department, was selected by *City View* magazine as one of the top entertainment and sports lawyers in the region.

Jerry Black, associate professor in the College of Law, has been elected to a one-year term as President of the Tennessee Association of Criminal Defense Lawyers.

Hamparsum Bozdogan, Toby & Brenda McKenzie Professor in the Department of Statistics, Operations and Management Science, was an invited speaker at the international meeting of the Classification and Data Analysis Group (CLADAG) of the Italian Statistical Society at the University of Catania, in Catania, Italy.

Matt Murray, professor of economics, was recently quoted in an Associated Press article on the likelihood of American consumer spending returning to pre-recession levels titled "New frugality is the new normal, by necessity."

Jim Thompson, professor of physics, and research assistant professor **Yuri L. Zuev** are members of a team that won R&D Magazine's "R&D 100 Award" for their work on superconducting wires. Along with their colleagues, Thompson and Zuev created and tested a kind of superconducting wire that makes electricity transfer more efficient.

The **College of Law** continues to rate highly among law schools that post papers to the Social Science Research Network (SSRN). UT was recently ranked number one in a tie with Harvard in the number of new downloads per paper. SSRN statistics show that the College of Law has ranked either first or second in this measure since February 2007.

Gregory Stein, College of Law associate dean for faculty development, said nearly 14,000 people have downloaded papers prepared by UT law faculty in the last year. On average, UT articles published to the SSRN database are downloaded 86 times, an average that ties the Harvard Law School as the highest.

The UT Research Foundation reports one disclosure by UT Knoxville faculty in August 2009: "A new method for aqueous-phase catalysis for atom-transfer radical polymerization" by **Ravi Aggarwal** and **Durairaj Baskaran**.

Kodjo Adabra, graduate teaching assistant of French in the Modern Foreign Languages and Literatures department, was nominated Peer-Reviewer in the field of francophone literature from West Africa, the Maghreb and the Caribbean, for the post-graduate electronic journal 'e-pisteme' based in the Faculty of Humanities and Social Sciences at Newcastle University, United Kingdom.

Mahmut Karakaya, a third-year Ph.D. student, and his advisor **Hairong Qi**, associate professor in the Department of Electrical Engineering and Computer Science, received the best paper award at the 3rd ACM/IEEE International Conference on Distributed Smart Cameras (ICDSC) for the work "Target Detection and Counting using a Progressive Certainty Map in Distributed Visual Sensor Networks."

Research Council Meeting

The Research Council's first meeting for 2009-10 will be Monday, September 28, 2009 from 3:30 p.m. to 5:00 p.m. at the University Center, 3rd Floor Executive Dining Room.

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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