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Awards and Recognitions

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9-23-2009

## 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     |
|--|---|---|-----------|
| <b>COLLEGE OF ARCHITECTURE &amp; DESIGN</b>  |   |   |           |
| 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  |
| <b>COLLEGE OF ARTS &amp; SCIENCES</b>  |   |   |           |
| 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  |
| Weitering, Hanno H   | Joint Faculty   | UT-Battelle - ORNL  | \$5,110   |
| Wilhelm, Steven W.   | Collaborative Research: Decoding Virus Leviathans   | National Science Foundation                                     | \$275,004 |
| <b>COLLEGE OF EDUCATION, HEALTH &amp; HUMAN SCIENCES</b>   |   |   |           |
| 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  |
| <b>COLLEGE OF ENGINEERING</b>  |   |   |           |
| 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       |
|--|---|---|-------------|
| <b>COLLEGE OF SOCIAL WORK</b>  |   |   |             |
| 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   |
| <b>CAMPUS CENTERS &amp; JOINT INSTITUTES</b>   |   |   |             |
| 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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