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Awards and Recognitions

Office of Research & Engagement

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University of Tennessee Office of Research

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AWARDS AND RECOGNITIONS

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OCTOBER 7, 2009

AWARDS FOR SEPTEMBER 18–OCTOBER 1, 2009

| INVESTIGATOR | TITLE | SPONSOR | AWARD |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------|
| COLLEGE OF ARTS & SCIENCES | | | |
| Bingham, Carrol R. | Matching Funds - UT/ORNL Joint Institute | UT-Battelle - ORNL | \$4,200,000 |
| Burr, Devon Marjorie | Aeolian Sediment movement under Titan conditions: wind tunnel experiments and modeling | NASA - Headquarters Washington, DC | \$48,155 |
| Burr, Devon Marjorie | Environmental Implications of Highly Sinuous Channels on Mars | University of Virginia | \$25,411 |
| Burr, Devon Marjorie | Aeolian Saltation under Titan Conditions: Wind Tunnel Experiments and Integrated Numerical Mod | NASA - Headquarters Washington, DC | \$143,734 |
| Dadmun, Mark | Support of Postdoc/Grad student for Dr. Mark Dadmun | UT-Battelle - ORNL | \$50,005 |
| Eguiluz, Adolfo G. | Joint Faculty | UT-Battelle - ORNL | \$16,700 |
| Ferrell, Thomas L. | Explosive Vapor Detection | UT-Battelle - ORNL | \$112,225 |
| Greene, Geoffrey L. | Joint Faculty | UT-Battelle - ORNL | \$19,894 |
| Grissino-Mayer, Henri D. | CESU: Assessing Fuel Contiguity, El Malpais National Monument and Cibola National Forest, NM | National Park Service Southeast Region | \$38,846 |
| Harrison, Robert J.; Peterson, Gregory D.; Hinde, Robert J. | Collaborative Research: Cyber-Infrastructure and Research Facilities: Chemical Computations on Future High-End Computers | National Science Foundation | \$169,300 |
| Hollenbach, Kandace Renee | Zooarchaeological and Archaeobotanical Analysis of 1Mb419, Mobile County, Alabama | Robert E. Perry & Associates | \$699 |
| Jantz, Richard L.; Li, Zhenghua; Herrmann, Nicholas P. | Isotopic Analysis of the William Bass Donated Skeletal Collection and Other Modern Donated Collections | National Institute of Justice | \$240,750 |
| Jantz, Richard L.; Mahfouz, Mohamed R. | Improving Sex Estimation from Crania Using 3-Dimensional CT Scans | National Institute of Justice | \$167,278 |
| Jessup, Micah John | Collaborative Research: Orogen-Parallel Mid-Crustal Flow and Exhumation of Domes Along The Southern Margin of the Tibetan Plateau | National Science Foundation | \$315,477 |
| Larese, John Z. | Graduate Student Support for J. Larese Students | UT-Battelle - ORNL | \$29,794 |
| Larese, John Z. | VISION Radial Collimator | UT-Battelle - ORNL | \$9,196 |
| Li, Zhenghua; Horn, Sally P. | Pleistocene-Holocene Climate Variability of the Southern Appalachian Region, SE U.S. | National Science Foundation | \$329,861 |
| Peterson, Cynthia | Analysis Software and Algorithm Development | UT-Battelle - ORNL | \$70,444 |
| Peterson, Cynthia; Hodges, Carolyn; Fenwick, Bradley | ARRA: Administrative Supplement for PEER (Program for Excellence and Equity in Research) | NIH - National Institute of General Medical Sciences | \$197,816 |
| Richter, Stefan; Sundberg, Carl | Operator Theory and Function Theory for the Unit Ball of C^d | National Science Foundation | \$86,152 |
| Small, Pamela | Ecology of Mycobacterium Ulcerans Infection: Evaluating Landscape Relationships with Freshwater Communities and Disease Occurrence | Michigan State University | \$45,937 |
| Weitering, Hanno H. | Ultrathin Oxide Growth and Characterization | UT-Battelle - ORNL | \$38,802 |
| Williams, Richard T. | AS107 Operation and maintenance | Southern Methodist University | \$19,500 |
| COLLEGE OF BUSINESS ADMINISTRATION | | | |
| Cathey, Amy E. | MBA Graduate Student Support for Y-12 Fall 2009 | B&W Y-12, LLC | \$34,856 |
| Schrivier, William R. | Construction Industry Information and Construction Inspections - OSHA | US Department of Labor - Financial Services Center/OASAM | \$452,791 |
| Vossler, Christian; McKee, Michael | Experimental Research on Taxpayer Services | Internal Revenue Service | \$140,502 |
| COLLEGE OF ENGINEERING | | | |
| Birdwell, John D.; Wang, Tse-Wei | Searchable Database | UNISYS Corporation | \$625,399 |
| Boder, Eric T. | Controlling The Dynamics of Cell Adhesion Using Engineered Integrin I-Domain | NIH-National Institute of Mental Health | \$180,095 |
| Bosilca, George Martian | Internship to Design and Develop a Scalable Data Aggregation and Reduction Framework | UT-Battelle - ORNL | \$18,023 |
| Bosilca, George Martian | Internship to Design and Develop a Framework for Simulation of HPC System Architecture | UT-Battelle - ORNL | \$18,023 |
| Dongarra, Jack; Moore, Shirley V; Cronk, David C. | Programming and Environment Training II- Computational Environments | Mississippi State University | \$43,598 |
| Duscher, Gerd J. | GOALI- The Oxidation of Silicon Carbide and Structure-Defects-Mobility Relations | Vanderbilt University | \$93,689 |
| Ezzell, Timothy; Lambert, Dayton McGregor | Evaluation of Strategies for Economic Improvement in Appalachia's Distressed Rural Counties | Appalachian Regional Commission | \$137,448 |
| Gao, Yanfei | Joint Faculty | UT-Battelle - ORNL | \$10,417 |
| Gao, Yanfei | Directed Self-Assembly and Film Growth of Superconductors and Other Oxides | UT-Battelle - ORNL | \$34,000 |
| Han, Lee D. | Geo-Spatial Model for Transportation Projects | UT-Battelle - ORNL | \$47,734 |

AWARDS FOR SEPTEMBER 18–OCTOBER 1, 2009 (CONT.)

| INVESTIGATOR | TITLE | SPONSOR | AWARD |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------|
| Hayward, Jason Peter | An Underwater Vehicle for Radiation Measurements in Marine or Riverine Environments | Office of Naval Research - Atlanta Regional Office | \$603,172 |
| Hayward, Jason; Dodds, Harold | Radiation Detection Research and Development | UT-Battelle - ORNL | \$14,789 |
| Heilbronn, Lawrence; Papenbrock, Thomas; Nazarewicz, Witold; Dean, David; Counce, Robert | Nuclear Structure Theory in Energy Production | US Dept. of Energy - Idaho Operations Office | \$160,000 |
| Hines, J Wesley; Upadhyaya, Belle R. | Advanced Instrumentation and Control Methods for Small and Medium Export Reactors with IRIS Demonstration | US Dept. of Energy - Energy and Technology | \$765,356 |
| Lee, Ida | Surface Characterization and Mapping of Lignocellulose Samples by Chemical Force Microscopy | UT-Battelle - ORNL | \$38,000 |
| Madhukar, Madhu S. | High-Performance Magnet Technology for Fusion Applications | Composite Technology Development, Inc. | \$114,992 |
| Maldonado, Guillermo Ivan | Joint Faculty | UT-Battelle - ORNL | \$47,175 |
| Moore, Shirley V. | Development of an Automated Tool for Locating Harvesting & Storing Experimental Scientific & Technical Data | Information International Associate | \$48,800 |
| Parker, Lynne E. | IEEE T-RO-Editorship | Univ. of Ill. at Urbana-Champaign | \$3,600 |
| Rack, Phillip D. | Joint Faculty | UT-Battelle - ORNL | \$62,865 |
| Rack, Phillip D. | Molecular Scale Engineering and Nanoscale Technologies | UT-Battelle - ORNL | \$16,000 |
| Tolbert, Leon M. | High Temperature DC-DC Converter | UT-Battelle - ORNL | \$14,011 |
| Tolbert, Leon M.; Islam, Syed K.; Blalock, Benjamin J. | Highly Integrated Gate Drive for High Temperature Converters | UT-Battelle - ORNL | \$29,989 |
| Townsend, Lawrence W. | Lunar Reconnaissance Orbiter | Boston University | \$111,110 |
| Urbanik, Thomas | Hydrogen Surveys Project | UT-Battelle - ORNL | \$8,221 |
| Wu, Jie | Career: Developing Asymmetric-Polarization AC Electroosmosis for Lab-on-a-chip | National Science Foundation | \$6,000 |
| Zhang, Mingjun | MEMS Device for Studying Tumor Metastasis | UT-Battelle - ORNL | \$8,315 |
| COLLEGE OF SOCIAL WORK | | | |
| Black, Brenda; Cunningham, Maryanne; Campbell, Paul | Tennessee Social Work Education Consortium | Middle Tennessee State University | \$1,517,186 |
| Campbell, Paul | Clear Wrap FY 2010 | TN Dept. of Human Services | \$178,900 |
| Campbell, Paul; Black, Brenda | Adult Protective Services | TN Dept. of Human Services | \$227,600 |
| Campbell, Paul; Patterson, David | HMIS Matching Funds Office of Mayor Ten Year Plan to End Chronic Homelessness | City of Knoxville | \$75,000 |
| Campbell, Paul; Patterson, David | HMIS Matching Funds | East Tennessee Foundation | \$91,666 |
| Wodarski, John | HIV/AIDS Primary Prevention Program with Caribbean Youth | Substance Abuse & Mental Health Services Adm (SAMSA) | \$448,146 |
| Wodarski, John | The East Tennessee Assertive Adolescent Family Treatment Program | Substance Abuse & Mental Health Services Adm (SAMSA) | \$299,928 |
| UNIVERSITY LIBRARIES | | | |
| Dewey, Barbara I. | UT/ORNL Library Project | UT-Battelle - ORNL | \$425,000 |
| CAMPUS CENTERS & JOINT INSTITUTES | | | |
| Bell, Larry L. | Microorganisms for Production of Ethanol and Other Chemicals from Biomass | UT-Battelle - ORNL | \$11,126 |
| Bell, Larry L.; Alvic, Donald R. | OWIP/Building Equipment | UT-Battelle - ORNL | \$12,295 |
| Nichols, Jeffrey; Zacharia, Thomas | Fabrication and Testing of Novel Sources of Entangled Photons | UT-Battelle - ORNL | \$4,786 |
| Plechac, Petr | Multiscale mathematics for Biomass Conversion to Renewable Hydrogen | US Dept. of Energy - Golden Field Office | \$182,611 |
| Sankaran, Ramanan | ARRA: Collaborative Research: Petascale Computing, Visualization, and Science Discovery of Turbulent Sooting Flames | National Science Foundation | \$266,743 |
| Sayler, Gary; Ripp, Steven; Patterson, Stacey; Fleming, James | Real-time Bioreporter Sensor and Therapeutic Effector Loop for Monitoring Physiological Fluctuations | National Science Foundation | \$101,490 |

RECOGNITIONS

Beauvais Lyons, professor in the School of Art is presenting "The Association for Creative Zoology" an exhibition of prints and taxidermy at the University of Arkansas at Little Rock from October 8 to November 20, 2009.

Bamin Khomami, professor and head of the Department of Chemical and Biomolecular Engineering, was elected to Fellowship in the American Physical Society.

Z. John Ma, associate professor in the Department of Civil and Environmental Engineering, was selected as the American Society of Civil Engineers (ASCE) Tennessee Section Outstanding Engineering Educator for 2009.

Matt Murray, professor of economics, was recently quoted in an *Associated Press* article about consumer spending titled "New Frugality is the New Normal, by Necessity."

Carol Tenopir, professor in the School of Information Sciences, has received the 2009 American Society for Information Science and Technology Award of Merit for her noteworthy contributions to the field of information science.