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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
Schriver, 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.