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Awards and Recognitions

Office of Research & Engagement

6-2013

**Office of Research, Awards and Recognition, May 28-June 14,
2013**

University of Tennessee Office of Research

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UTK Awards (5/28/2013 - 6/14/2013)

INVESTIGATOR	TITLE	SPONSOR	AWARD
College of Arts and Sciences			
Alley, David	<i>Arts & Heritage Grant 2013</i>	Arts & Cultural Alliance of Greater Knoxville	\$1,846
Dolislager, Fredrick; Gross, Louis	<i>ETTP Zone 1 Final ROD Support FY 2013 WR66, Rev 000</i>	DOE - URS CH2M Oak Ridge LLC (UCOR)	\$3,000
Feigerle, Charles	<i>Synthesis of Novel Catalysis</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$12,093
Guidry, Michael	<i>Integrated Computational Environment for Nuclear Energy and Quantum Information</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$9,655
Guiochon, Georges	<i>Research in supercritical fluid chromatography</i>	Waters Technologies Corporation	\$61,000
Hix, William	<i>Accelerating Leadership-Class Astrophysics Codes on GPU Architectures</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$87,601
Jouline, Igor; Baudry, Jerome	<i>Computational Genomics of Signal Transduction</i>	DHHS - NIH - National Institute of General Medical Sciences	\$273,416
Joy, David	<i>Direct Digital Secondary Electron Signal Acquisition Probe for Scanning Electron</i>	ScienceTomorrow	\$45,189
Li, Yingkui; Li, Yanan	<i>Doctoral Dissertation Research: Climate and Topographic Controls on Little Ice Age Glacial Advances</i>	NSF - National Science Foundation	\$15,995
Loeffler, Frank; Ritalahti, Kirsti; Hettich, Robert	<i>Advanced Environmental Molecular Diagnostics to Assess, Monitor, and Predict Mic</i>	DOD - Department of Defense	\$219,216
Maroulas, Vasileios	<i>Large deviations for stochastic systems and applications</i>	Simons Foundation	\$35,000
Prosser, Rebecca	<i>Ethanol Effects on the Mammalian Circadian Clock</i>	DHHS - Department of Health and Human Services	\$9,766
Reed, Julie	<i>Ten Times Better, Cherokee Social Services, 1835-1907</i>	Southern Methodist University	\$40,000
Reynolds, Gregory; Corbetta, Daniela	<i>Neural Correlates of Infant Attention and Action</i>	DHHS - NIH - National Institute of Child Health and Human Development	\$240,508
Reynolds, Todd	<i>Screen for phosphatidylserine synthase inhibitors: antifungals & lipid probes</i>	DHHS - NIH - National Institutes of Health	\$16,201
Rosinski, Jan	<i>Levy systems and non-Gaussian chaos</i>	Simons Foundation	\$35,000
Schweitzer, George	<i>LSO Chemistry: The Mechanochemistry of Lutetium</i>	Siemens Medical Solutions USA, Inc	\$446,021
Wu, Shellen	<i>Geography and the Fate of Chinese Civilization: The Rise of Geopolitical Discour</i>	American Council of Learned Societies	\$45,000
College of Business Administration			
Bozdogan, Hamparsum	<i>Exploiting the Use of Social Networking to Facilitate Collaboration in the Scien</i>	Information International Associates	\$48,300
Burton, Mark	<i>Support to the Kentucky Transportation Cabinet and UK for National Waterways Fou</i>	University of Kentucky Research Foundation	\$100,000
College of Education, Health and Human Sciences			
Chen, Jui-Chi	<i>Forecasting Economic Impacts of Hosting 4-H Camp in Hardeman County, Tennessee</i>	Hardeman County, Tennessee	\$8,000
College of Engineering			
Abidi, M; Koschan, Andreas	<i>Target Handoff and Resource Management for Multi-Sensor-Multi-Target Tracking Sy</i>	DOD - Department of Defense	\$200,000
Blalock, Benjamin	<i>Undergraduate Research Opportunity for the Test and Verification of an Adaptive</i>	NASA - Jet Propulsion Laboratory	\$5,000
Cox, Chris	<i>Administrative Support for East Tennessee Clean Fuels Coalition - 2012</i>	East Tennessee Clean Fuels Coalition	\$28,175

Cox, Chris	<i>Laboratory Energy Research and Development Working Group (LERDWG)</i>	DOE - Lawrence Berkely National Lab - University of California	\$2,500
Davis, Wayne	<i>Equipment Grant 2012</i>	Tennessee Board of Architectural and Engineering Examiners	\$49,201
Dongarra, Jack	<i>Extreme-scale Algorithms and Solver Resilience</i>	DOE - Office of Science	\$150,000
Dongarra, Jack; Luszczek, Piotr	<i>Sparse Iterative Solver Benchmarking and the SparseBenchProject</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$100,000
Dunne, William; Hines, J; Hamel, William; Khomami, Bamin	<i>ARRA: ARI-R2: Sustainable Energy Laboratory</i>	NSF - National Science Foundation	\$110,654
Duscher, Gerd	<i>High Resolution Transmission Electron Microscopy of Metastable Nanomaterials</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$26,663
Egami, Takeshi	<i>Unilamellar Vesicles using X-ray and neutron scattering</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$48,239
Fathy, Aly	<i>PORTABLE SEE THROUGH WALL RADAR</i>	eWave Informatics, LLC	\$70,920
Hall, Howard	<i>Technical support for nonproliferation studies</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$10,621
Hall, Howard	<i>Simulation Study using MCNPX and NRFGEANT4 for Applicability of Nuclear Resonanc</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$15,616
Hall, Howard	<i>Technical Evaluations of Nonproliferation Strategies and Technologies</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$75,892
He, Qiang	<i>Targeted litter prevention and education for reducing litter on Tennessee roads</i>	Tennessee Department of Transportation	\$90,000
Lyne, James	<i>Nanosat LAunch Vehicle Engine Design Studies</i>	NASA - Marshall Space Flight Center	\$12,619
Mason, James	<i>Literature Review and Acquisition of Related Documents for Reticulated Micropile</i>	Deep Foundation Institute	\$15,300
Miller, Laurence; Walford, Graham	<i>Spent Fuel Casks Verification Using Used Nuclear Fuel Casks</i>	DOE - Savannah River National Laboratory	\$20,000
Miller, Laurence; Walford, Graham	<i>Spent Fuel Casks Verification Using Parallel Plat Collimators</i>	DOE - Savannah River National Laboratory	\$10,000
Palomino, Angelica	<i>Meso-Scale Behavior Characterization of "Tunable" Clay-Polymer Composites</i>	NSF - National Science Foundation	\$10,000
Pennycook, Stephen	<i>Cathodoluminescence investigations of solid state lighting materials</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$52,164
Penumadu, Dayakar	<i>The Effects of Sea Water on Composite Facing Sandwich Layups, and of Polymeric C</i>	Office Of Naval Research	\$130,000
Rack, Philip	<i>Electron Beam Induced Deposition Precursors and Etching Chemistries for EUV Mask</i>	Semiconductor Research Corporation	\$150,000
Sun, Kai; Liu, Yilu	<i>High-Performance Hybrid Simulation/Masurement-Based Tools for Proactive Operato</i>	Electric Power Research Institute	\$249,086
Tan, Jindong	<i>Support ORNL to Perform GSHP Data Mining from ARRA Ground Source Heat Pump Demon</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$39,828
Tomsovic, Kevin	<i>Pogram Income for NSF Engineering Research Center for Ultra-wide-area Resilient Electric Energy Transmission Network</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$75,000
Wirth, Brian	<i>Assessing the Uncertainty Quantification in Reaction – Diffusion Models of Helium</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$7,507
College of Social Work			
Campbell, Paul	<i>TN DHS -- TPOPS (Clear Wrap) FY14</i>	Tennessee Department of Human Services	\$179,400
Campbell, Paul; Cunningham, Maryanne	<i>Knoxville Police Department Anti-Bullying Training and Multi-Media Program Evalu</i>	Knoxville Police Department	\$12,011

Glisson, Charles; Hemmelgarn, Anthony; Green, Philip; Dukes, Denzel; Cheatham, Joanna	<i>Testing an Organizational Implementation Strategy in Children's Mental Health</i>	DHHS - NIH - National Institute of Mental Health	\$34,150
Campus Centers and Institutes			
Halloy, Christian	<i>Odbadrakh Coarse Grained Density</i>	DOE - UT-Battelle - Oak Ridge National Laboratory	\$82,212
Peterson, Gregory	<i>Joint Institute for Computational Sciences Proposal to NSF05- 625: High Performace Computing System Acquisition: Towards a Petascale Computing Environ</i>	NSF - National Science Foundation	\$8,544,481
Tsai, Peter	<i>Investigation of the Improvement of the Meltblowing Line and the Control of the Processing Parameters to Achieve High Efficiency Filter Media</i>	Xinlong Holding (Group) Co. Ltd.	\$50,000
Tsai, Peter	<i>In Assistance of Constructing a Hardware for Electrostatic Charging of Nonwoven</i>	Precision Custom Coatings, LLC	\$25,000
Other			
Stewart, Joseph	<i>Air Force Acquisition Improvement Support (FA7014- 10-R-0008) - IDIQ</i>	DOD - Department of the Air Force	\$243,752
MultiCollege/Center			
Bell, Sherry(EHHS); Duckett, Kermit(A&S)	<i>Basic Aerospace Education Workshop 2013</i>	Tennessee Department of Transportation-Aeronautics Division	\$32,199
Braiman, Yehuda(Engr); Liu, Bo(Office Of The Chancellor)	<i>High-Power Compact Blue- Green Laser Source Based on Coherent Arrays of Semicondu</i>	Office Of Naval Research	\$100,000
Fox, William(Bus); Murray, Matthew(Baker Center); Carruthers, Celeste (Bus); Douglas, Brian (Bus); Thacker, Angela(Bus)	<i>ARRA: TNCRED Progression Evaluation of First to the Top</i>	Vanderbilt University	\$236,868
Wilkinson, Jeffrey(A&D); Davis, Wayne(Engr)	<i>University of Tennessee, Knoxville Application: Tennessee State Board of Archite</i>	State of Tennessee	\$36,567