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THE UNIVERSITY of TENNESSEE UT KNOXVILLE

Awards and Recognitions

http://research.utk.edu SEPTEMBER 5, 2012

AWARDS FOR AUGUST 9–23, 2012

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Alley, David; Cervone, Thomas	A Raisin in the Sun	City of Knoxville	$10,000
Breinig, Marianne	UT Research Assistant - Accelerator Physics	DOE - UT-Battelle - ORNL	$55,459
Breinig, Marianne	Science of the Plasma-Materials Interface at Extreme Conditions	DOE - UT-Battelle - ORNL	$3,348
Burr, Devon	An Integrated Study of the Evolution of Cerberus Fossae, Mars	University of Idaho	$36,098
Chen, Xia	Random Walk in Random Media	Simons Foundation	$35,000
Freeman, Mark	Working with Parks: New Content for the Park Museum Management Program (PMMP)	US Dept. of Interior - National Park Service Southeast Region	$4,000
Greene, Geoffrey	Experimental Weak Interactions with Pulsed and Continuous Cold Neutrons	US Department of Energy	$300,000
Gross, Louis; Ahern, Sean; Gilchrist, Michael	National Institute for Mathematical and Biological Synthesis (NIMBioS)	National Science Foundation	$199,986
Grzywacz-Jones, Katherine	Spectroscopic Studies Close to 100Sn and 132Sn Using Direct Reactions and Gamma-Ray Measurement	US Department of Energy	$105,000
Guiochon, Georges; Campagna, Shawn	Separation of Highly Complex Mixtures by Two-Dimension Liquid Chromatography	US Department of Energy - Office of Science	$120,000
Jessup, Micah	Collaborative Research: Shear Zone and Detachment Formation	National Science Foundation	$190,187
Levy, Jacob	Practicum Experience for Counseling Psychology	Knoxville Family Justice Center	$8,500
Mazur, Peter	Aquaporins, Ice Formation in Cells, and Cryopreservation	NIH - National Center for Research Resources	$255,567
Miles, Joseph	Institutional Settings and the Transmission of Social	National Science Foundation	$37,001
Moore, Todd	Practicum Experience for Clinical Graduate Student	Helen Ross McNabb Center	$10,000
Moore, Todd	Practicum Experience in Clinical Psychology	BWXT Y-12, LLC	$20,000
Musfeldt, Janice	Spectroscopic Investigations of Complex Magnetic and Electronic Materials	DOE - US Dept. of Energy	$145,760
Musfeldt, Janice	DMREF/Collaborative Research: Enhanced Functionalities in 5d Transition Metal	National Science Foundation	$320,000
Nazarewicz, Witold; Papenbrock, Thomas	Nuclear Computational Low Energy Initiative (NUCLEI)	US Department of Energy - Office of Science	$210,000
COLLEGE OF BUSINESS ADMINISTRATION			
Cathey, Amy	MBA Student Support for Y-12 National Security Complex	BWXT Y-12, LLC	$30,000
Degennaro, Ramon	Student Research Fellowship	Charles Koch Foundation Undergraduate Programs	$7,000
Fox, William; Murray, Matthew	Re-Estimate the Cost Differential Factor for the BEP	TN Department of Education	$10,000
Murray, Matthew	Economic Forecast for TN Valley Region	Tennessee Valley Authority	$117,033
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Brewer, Ernest	Upward Bound [Pre-College] - Revision 1	US Department of Education	$386,632
Terry, Paul	Study of Ovarian Cancer in African Americans	Duke University	$224,295
COLLEGE OF ENGINEERING			
Arimilli, Rao; Ekici, Kivanc	Calc. Rev. & Development of Improved COMSOL-Based 2-D Thermal-Hydraulic Model for HFIR Core	DOE - UT-Battelle - ORNL	$16,102
Bennett, Richard; Schleter, William; White, Betsy	“Engage Spatial Skills Mini-Grant”	Stevens Institute of Technology	$2,500
Blalock, Benjamin	A Circuit-Level Radiation Hardened-By-Design Approach for Standard CMOS	NASA - Headquarters	$65,405
Blalock, B.; Tolbert, L.	Integrated Circuit Intelligent IGBT Gate Driver	IMRA	$150,000
Fathy, Aly	Tampering Detection Devices by Using Conductive Fabrics	DOE - UT-Battelle - ORNL	$7,524
Frankel, Jay; Keyhani, Majid	Transformative Calibration Method for Prediction of Surface Heat Flux	National Science Foundation	$249,916
Fu, Joshua	Rural Economic Impacts of Green Energy Production from the Agricultural	UT Institute of Agriculture - AgResearch	$119,546
George, Easo	Investigate Silicon Effects in DOP-26 Iridium Alloys	DOE - UT-Battelle - ORNL	$32,584
Gregor, Jens	ALERT Project Task 6: Iterative Reconstruction Algorithms	Northeastern University	$90,000
Hall, Howard	Strategic Analysis of Alternatives for Existing Deterrents and Vulnerabilities	DOE - UT-Battelle - ORNL	$77,000
Hazen, Terry	Deep Sea Basin Microbiology	BP America	$1,320,000
Hines, J.	National Academy Nuclear Training - Radiological Engineering	National Academy for Nuclear Training - Educational Assistance	$25,000
Li, Fangxing	Economical Stability and Physical Stability Study for Controllable Load including PHEV	National Science Foundation	$12,000
Li, Husheng	Wireless Communication Network Design for DEG Controls	DOE - UT-Battelle - ORNL	$52,046

AWARDS FOR AUGUST 9–23, 2012 (CONT.)			
INVESTIGATOR	TITLE	SPONSOR	AWARD
Maldonado, Guillermo	Curriculum Development for Consortium for Advanced Simulation of Light Water	DOE - UT-Battelle - ORNL	$20,000
McHargue, Carl	Computational Modeling for Radiation Effects	DOE - UT-Battelle - ORNL	$35,260
Parker, L.; Arel, I.; Corbetta, D.; Lee, D.; Maclennan, B.; Reynolds, G.	MRI: Acquisition of Infant/Robot Grasp Learning Instrumentation	National Science Foundation	$312,844
Plank, James	CSR: Small: Developing and Implementing High Performance Erasure Codes	National Science Foundation	$16,000
Rack, Philip	Center for Nanophase Materials Science (CNMS)	DOE - UT-Battelle - ORNL	$30,000
Tomsovic, K.; Li, F.; Liu, Y.; Tolbert, L.; Wang, F.	ERC for Ultra-Wide Area Resilient Electric Energy Transmission Network	National Science Foundation	$3,500,000
Tomsovic, K.; Li, F.; Liu, Y.; Tolbert, L.; Wang, F.	ERC for Ultra-Wide Area Resilient Electric Energy Transmission Network	National Science Foundation	$1,575,000
Townsend, Lawrence	Additional Improvements to the HZETRN Code and the NUCFRG2 Database	NASA - Langley Research Center	$160,000
Wirth, Brian	Liquid Salt Test Loop Graduate Student Research	DOE - UT-Battelle - ORNL	$45,343
Zhang, Yanwen	Heavy-Ion Energy Deposition in Dielectrics and Semiconductors	Department of Defense	$150,000
Zhang, Yanwen	Silver Behavior on SiC Surface	DOE - UT-Battelle - ORNL	$150,000
Zhao, Xiaopeng	Hybrid Bifurcation with Applications in Cardiac Dynamics	National Science Foundation	$221,069
COLLEGE OF SOCIAL WORK			
Choi, Sunha	Access to Healthcare Among Asian Subgroups in the U.S.	FAHS-BECK Fund New York Community Trust	$13,000
Cummings, Sherry	Leadership Education Excellence in Caring for Children with Neurodevelopmental and Related Disabilities	Vanderbilt University Medical Center	$9,560
Wodarski, John	HIV/AIDS Primary Prevention Program with Caribbean Youth	DHHS - Substance Abuse and Mental Health Services	$448,146
CAMPUS CENTERS & INSTITUTES			
Harrison, Robert	Jewell Health Care Informatics	DOE - UT-Battelle - ORNL	$11,305
Harrison, Robert	McCaskey Test Software	DOE - UT-Battelle - ORNL	$4,000
Harrison, Robert	Stahl Advanced Analytic Methods	DOE - UT-Battelle - ORNL	$7,728
Sheffield, John	The Role of Developing Countries in Fusion Energy	DOE - UT-Battelle - ORNL	$10,002
OTHER			
Hall, Howard	Technical Support for Reliability Studies	DOE - UT-Battelle - ORNL	$30,910
Smith, Steven	UT/ORNL Library Project	DOE - UT-Battelle - ORNL	$450,000
Wood, Pia	Peace Corps Campus Recruiter	Peace Corps	$14,200

WANTED!

Faculty Nominations for Scholar of the Week

The Scholar of the Week is a service of the UTK Office of Research. Through this award we recognize the recent important research, scholarship, and creative accomplishment of our faculty members and students.

Faculty can be recognized for publication of original research in rigorously refereed major journals, a major exhibit or performance in a national or international venue, a record of national grant or fellowship support awarded through peer review, national or international prizes or awards, invitations to hold endowed lectureships, and invited lectureships, particularly at major scholarly meetings.

Students who are recognized by peers as independent and original researchers can be nominated for publication of original research in refereed journals, a major exhibit or performance at a national or international venue, a record of national fellowship support, national or international prizes or awards, or other significant scholarly achievements recommended by a faculty mentor.

Instructions for submitting nominations can be found online at *http://quest.utk.edu/scholar-of-the-week*

RECOGNITIONS

A book by **Sherry Cable** on the social aspects of environmental policy was recently published by Temple University Press. *Sustainable Failures: Environmental Policy and Democracy in a Petro-dependent World* explores how environmental policy contributes to environmental problems, rather than providing a partial solution. Cable is professor of sociology.

Todd Freeberg, associate professor of psychology, has been named a fellow of the Association for Psychological Science for his contributions to the science of psychology. He recently co-wrote an article in the *American Scientist:* "The Complex Call of the Carolina Chickadee: What can the 'chick-a-dee' call teach us about communication and language?"

Bruce Ralston, professor emeritus of geography, has received the faculty excellence award from the UT Institute for Public Service. Ralston was recognized for collaborating with IPS for more than a decade in ways to use Geographic Information Systems to improve government decision-making and for his work on the Tennessee Data Portal.

Fordham University Press has just published a book on the Holocaust by **Gilya Schmidt,** professor of religious studies. In *Süssen Is Now Free of Jews: World War II, the Holocaust, and Rural Judaism,* Schmidt uses archival material, memoirs, interviews, and personal recollections to illuminate the lives of rural Jewish families in Germany.

Maurice Stucke, professor of law, presented his article "Looking at the Monopsony in the Mirror" to a conference at the University of Oxford in May and has been invited to present the paper to a conference hosted by the Norway Mission to the European Union.

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