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Office of Research, Awards & Recognition, February 01, 2012

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THE UNIVERSITY of TENNESSEE KNOXVILLE

AWARDS AND RECOGNITIONS

http://research.utk.edu FEBRUARY 1, 2012

AWARDS FOR JANUARY 1–25, 2012

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Bingham, Carrol	Matching Funds - UT/ORNL Joint Institute	UT-Battelle - ORNL	$434,000
Bohon, Stephanie	A Proposal to Host the Secretary-Treasurer of the Southern Sociological Society	Southern Sociological Society	$26,503
Burr, Devon	Environmental Implications of Highly Sinuous Channels on Mars	University of Virginia	$25,069
Egami, Takeshi	Unilamellar Vesicles as Platforms for Understanding Biological Phenomena	UT-Battelle - ORNL	$40,711
Feigerle, Charles	Functionalized Carbon Materials and Recovery of Uranium From Seawater	UT-Battelle - ORNL	$83,869
Feigerle, Charles	Functionalized Carbon Materials and Recovery of Uranium From Seawater - 2	UT-Battelle - ORNL	$47,500
Feng, Xiaobing; Karakashian, Ohannes; Xing, Yulong	Recent Developments in Discontinuous Galerkin Finite Element Methods	National Science Foundation	$21,000
Greene, Geoffrey	SNS Accumulator Ring	UT-Battelle - ORNL	$40,631
Hollenbach, Kandace	Paleoethnobotanical Analysis of a Subset of Samples from Site 8 at Monticello	Thomas Jefferson Foundation	$7,999
Kaplan, Gregory	Spanish Translation Services at ORNL	UT-Battelle - ORNL	$9,583
McSween, Harry	Participation in DAWN Science Team	Regents of the University of California, Los Angeles	$30,000
McSween, Harry	Meteorite Petrogenesis	NASA - Headquarters	$100,000
Nattrass, Christine; Moreo, Adriana	Collaborative Research: Southeast Conference for Undergraduate Women in Physics	National Science Foundation	$8,000
Perfect, Edmund	Neutron Imaging of Fluids in Rocks and Soils	UT-Battelle - ORNL	$7,760
Sokolov, Alexei	Dynamics of Proteins and Hydration Water: Neutron Scattering Studies	UT-Battelle - ORNL	$7,368
Vonarnim, Albrecht	Proteomic Characterization	UT-Battelle - ORNL	$45,794
Vonarnim, Albrecht	Analysis Software and Algorithm Development - Manesh Shah	UT-Battelle - ORNL	$23,500
Williams, Joseph	Pollen Tube Growth Innovations and The Evolution of Angiosperms Reproductive	National Science Foundation	$150,000
COLLEGE OF COMMUNICATION & INFORMATION			
Suttles, Barbara	Technical Support to the National Transportation Research Center	UT-Battelle - ORNL	$195
Suttles, Barbara	Support to the ORNL Nuclear Science & Technology Division International Safeguards Group	UT-Battelle - ORNL	$6,475
Suttles, Barbara	Support for Computational Science and Engineering Division - UT-Battelle (Nelson)	UT-Battelle - ORNL	$78,252
COLLEGE OF ENGINEERING			
Arimilli, Rao; Ekici, Kivanc	Calc. Rev. & Development of Improved COMSOL-Based 2-D Thermal-Hydraulic Model for HFIR Core	UT-Battelle - ORNL	$55,000
Dongarra, Jack	Architecture-Aware Algorithms for Scalable Performance and Resilience on Heterogeneous Architectures	DOE - Office of Science	$165,000
Duscher, Gerd	GOALI - The Oxidation of Silicon Carbide and Structure-Defects-Mobility Relations	Vanderbilt University	$102,785
Everett, Jerry	Law Enforcement Liaison Administration Program	TN Dept. of Transportation	$1,235,519
Fathy, Aly	STTR Phase II: Metamaterial Antennas for Ballistic Panels	Applied Nanotech, Inc.	$46,715
Gribok, Andrei	Mathematical Modeling of Real-Time Ambulatory Sensor Data Collected on Free-Living Individuals	USDA - Agricultural Research Service	$301,026
Hayward, Jason	Alternative Detector System to Replace He-3 Detectors for Neutron Sciences	UT-Battelle - ORNL	$25,000
Hayward, Jason	Alternative Detector System to Replace He-3 Detectors for Neutron Sciences	UT-Battelle - ORNL	$6,500
Hayward, Jason	Undergraduate Student Work in Nuclear Materials Accountancy	UT-Battelle - ORNL	$3,889
Hayward, Jason	Confidential	Confidential	$42,008
Hines, J.	Equipment Health Monitoring via Transient Methods: Phase B	Electric Power Research Institute	$28,323
Jin, Mingzhou	Cooperative/Collaborative Supply Chain Study (Phase III)	Lockheed Martin	$71,758
Liaw, Peter; Gao, Yanfei	Materials World Network: Structures and Mechanical Behavior of Nanocrystalline Phase-Containing Glass-Forming Thin Films	National Science Foundation	$6,000
Maldonado, Guillermo	Verification of the CENTRM Module for High Temperature Gas-cooled Reactor	University Of Arizona	$55,340
Mandrus, David	Correlated and Complex Materials	UT-Battelle - ORNL	$19,625
McHargue, Carl; Gussev, Maxim	Mechanical Properties of Nuclear Materials	UT-Battelle - ORNL	$72,500

AWARDS FOR JANUARY 1–25, 2012 (CONT.)			
INVESTIGATOR	TITLE	SPONSOR	AWARD
McHargue, Carl; Vasudevamurthy, Gokul	Development of Zirconium Carbide for Gen IV Nuclear Reactors	UT-Battelle - ORNL	$12,947
Simerly, Karen	Tennessee Traffic Safety Resource Service - A Statewide Program	TN Dept. of Transportation	$372,655
Tolbert, Leon	Power Electronics Evaluation for DER and T & D	UT-Battelle - ORNL	$45,359
Tolbert, Leon; Blalock, Benjamin	Isolation and Gate Buffer for Smart Integrated Power Module	UT-Battelle - ORNL	$25,000
Townsend, Lawrence	Additional Improvements to the HZETRN Code and the NUCFRG2 Database	NASA - Langley Research Center	$139,133
Wang, Xiaorui	Enforcing Timing and Power/Thermal Constraints for Mission-Critical Real-Time Embedded Systems	DOD - Department of the Navy	$79,312
Wilck, Joseph	ENPI/EI Demo GUI Interface	UT-Battelle - ORNL	$3,442
Wu, Jie	Lab-on-a-Chip Based System for Diagnoses of Infectious Diseases	UT Research Foundation	$15,000
Zhang, Mingjun; Lenaghan, Scott	Green Nanoparticles Manufacturing Using English Ivy	UT Research Foundation	$15,000
Zhao, Xiaopeng	CAREER: Integrated Research and Education in Nonlinear Dynamics in Biological Systems	National Science Foundation	$12,000
CAMPUS CENTERS & INSTITUTES			
Chen, Ying-Ling Ann	Dynamic Ocular Evaluation System (DOES) Children Trial	UT Research Foundation	$15,000
Harrison, Robert	Implementation of Key Metrics	UT-Battelle - ORNL	$9,928
Harrison, Robert	Soft Hybrid Materials Goswami	UT-Battelle - ORNL	$68,452
Hofmeister, William Hudson	Nanohair Supercapacitor Development	UT Research Foundation	$15,000
Pfiffner, Susan; Vishnivetskaya, Tatiana	Computational Analyses and Interpretation of Genomic Sequencing Data	UT-Battelle - ORNL	$37,046
OTHER			
Greene, David	The ICCT e-Drive Model: Phase 2	International Council On Clean Transportation	$41,352
Simerly, Emily; Paciello, Jillian	High Visibility Grant	TN Dept. of Trans. - Governor's Highway Safety Office	$4,974

RECOGNITIONS

Two faculty members from the Department of Earth and Planetary Sciences are staging an exhibit at the McClung Museum that compares the geology and tectonics of the Himalaya and Appalachian mountains. **Robert Hatcher**, Distinguished Professor and specialist in Appalachian geology, and **Micah Jessup**, assistant professor and specialist in the geology of the Himalayas, are displaying models, maps, and other images in an exhibit called "Continents Collide: The Appalachians and the Himalayas," which runs through May 18.

Jimmy Mays, professor of polymer chemistry, has been named a PMSE Fellow by the American Chemical Society, Division of Polymeric Materials Science and Engineering. Mays is internationally recognized as a leader in synthesis of polymers and copolymers with tailored architectures. In 2011 he received the Outstanding Alumni Award from the University of Akron, where he received his Ph.D.

Harry "Hap" McSween, Chancellor's Professor in earth and planetary sciences, has been recognized by the National Academy of Sciences with the 2012 J. Lawrence Smith Medal for meritorious research in planetary sciences, specifically for his work on the geological history of Mars.

William Neilson, professor of economics, is serving as editor-in-chief of the Journal of Economic Behavior & Organization. In addition to his post at UT, Neilson was appointed a guest professor at Huazhong University of Science and Technology in Wuchang, China, 2011.

Michael Price, associate professor of economics, has been named a faculty research fellow by the National Bureau of Economic Research.

A Ph.D. candidate in materials science and engineering, **Ercan Cakmak**, has won the 2012 Ludo Frevel Crystallography Scholarship Award for outstanding achievements in crystallography-related research, a recognition given by the International Centre for Diffraction Data. His dissertation advisor is **Han Choo**, associate professor in materials science and engineering.

Hannah Short, a graduate student in art, will have work on view in the exhibition "Beyond the Brickyard" at the Archie Bray Foundation for Ceramic Arts in Helena, Montana, for two months beginning February 4. Short is a student of **Sally Brogden**, professor of art.

Do You Want to be Recognized?

The *Awards and Recognitions* newsletter seeks news of recent scholarly honors received by UTK faculty, graduate students, and undergraduates. Direct news items to Bill Dockery (dockeryb@utk.edu).

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