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AWARDS AND RECOGNITIONS

<http://research.utk.edu>

DECEMBER 5, 2012

AWARDS FOR NOVEMBER 15–DECEMBER 2, 2012

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Breinig, Marianne	Science of the Plasma-Materials Interface at Extreme Conditions	DOE - UT-Battelle - ORNL	\$2,231
Compton, Robert	Mass Spectrometric Studies of Biomolecules	DOE - UT-Battelle - ORNL	\$4,892
Dadmun, Mark	Electrode Fabrication Optimization via Carbon Nanoparticle/Acrylic Solution	DOE - UT-Battelle - ORNL	\$154,000
Dolislager, Fredrick; Gross, Louis	Risk Integration Support for FY 2013 WR65, Rev 000	DOE - URS CH2M Oak Ridge LLC (UCOR)	\$12,462
Egami, Takeshi	Atomistic Study of Bulk Metallic Glasses	DOE - UT-Battelle - ORNL	\$47,953
Freeman, Mark	Working with Parks: New Content for the Park Museum Management Program (PMMP)	US Dept. of Interior - National Park Service Southeast Region	\$55,925
Guidry, Michael	Integrated Computational Environment for Nuclear Energy Modeling and Simulation	DOE - UT-Battelle - ORNL	\$4,248
Mays, Jimmy	Fundamentals of Ionic Conductivity in Polymeric Materials for Energy Storage	DOE - UT-Battelle - ORNL	\$12,600
Richter, Stefan	A Conference on Hilbert Function Spaces	National Science Foundation	\$48,478
Weitering, Hanno	Exploration of Quantum Size Effects in Ultrathin Magnesium Films for Hydrogen	DOE - UT-Battelle - ORNL	\$10,281
Weitering, Hanno	Exploration of Quantum Size Effects in Ultrathin Ruthenium Films for Surface	DOE - UT-Battelle - ORNL	\$10,281
COLLEGE OF BUSINESS ADMINISTRATION			
Stewart, Joseph	Air Force Acquisition Improvement Support (FA7014-10-R-0008) - IDIQ	DOD - Department of the Air Force	\$6,529,930
COLLEGE OF COMMUNICATION & INFORMATION			
Allard, S.; Wilson, B.; Normore, L.; Tenopir, C.	DataONE (Observation Network for Earth)	University of New Mexico	\$645,081
Suttles, Barbara	Support for the ORNL Library	DOE - UT-Battelle - ORNL	\$84,914
COLLEGE OF EDUCATION, HEALTH AND HUMAN SCIENCES			
Erwin, Paul	National Coordinating Center for Public Health Services and Systems Research	University of Kentucky Research Foundation	\$40,241
COLLEGE OF ENGINEERING			
Braiman, Yehuda	High-Power Compact Blue-Green Pulsed Laser Source Based on Coherent Arrays	Office of Naval Research	\$6,000
Djouadi, Seddik	Design and Model Development of Electric Grid Components for Cyber-Physical	DOE - UT-Battelle - ORNL	\$38,143
Gao, Yanfei	Microstructure and Mechanism Based Simulations of Failure in High Temperature	DOE - UT-Battelle - ORNL	\$30,000
Gu, Gong	Thin Film Sensors	DOE - UT-Battelle - ORNL	\$17,673
Han, Lee	Transportation Security and Energy Efficiency Research Support	DOE - UT-Battelle - ORNL	\$22,700
Hayward, Jason	Technical Support for Nuclear Safeguards Calculations and Measurements	DOE - UT-Battelle - ORNL	\$21,172
Joy, David; Rack, Philip	Focused Helium Ion Beam Induced Synthesis for Repair, Metrology Sample Preparation	Semiconductor Research Corporation	\$76,059
Komistek, Richard; Hamel, William; Sharma, Adrija	In vivo Determination and Comparison of Knee Kinematics for Subjects Implanted	ConforMIS	\$262,352
Li, Xueping; Sawhney, Rapinder	Advanced Modeling of OHS for System Optimization	BWXT Y-12, LLC	\$110,000
Mandrus, David	Studies of Correlated Electron Materials	DOE - UT-Battelle - ORNL	\$39,663
Paddison, Stephen	First Principles Modeling of Cation (H ⁺ , Li ⁺ , and Na ⁺) Transport in Solid	DOD - Department of the Army	\$128,337
Rawn, Claudia; Barabash, Oleg	Neutron Optics and Crystals	DOE - UT-Battelle - ORNL	\$22,234
Rawn, Claudia; Barashev, Alexander	Computational Modeling for Radiation Effects	DOE - UT-Battelle - ORNL	\$19,974
Ryerson, Megan	Analysis and Models for Aviation Environmental Policy Analysis	The Mitre Corporation	\$3,000
Ryerson, Megan	Aircraft Fuel Evaluation Simulation Tool (AFEST) Validation	US Dept. of Transportation - Federal Aviation Administration	\$74,120
Sawhney, Rapinder	Predictive Human Resource Model	BWXT Y-12, LLC	\$124,416
Tomsovic, Kevin	Program Income for NSF Engineering Research Center for Ultra-wide-area Resilient Electric Energy Transmission Network	ABB	\$50,000
Wirth, Brian	Evaluating 3-Dimensional Effects of Reactor Pressure Vessel Embrittlement	DOE - UT-Battelle - ORNL	\$80,000

AWARDS FOR NOVEMBER 15–DECEMBER 2, 2012 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
Zawodzinski, Thomas; Paddison, Stephen	Development of Novel Non-PT Group Metal Electrocatalysts for PEM Fuel Cell	Northeastern University-Division of Research Management	\$234,997
Zhang, Mingjun	Energy Efficient Swimming Mechanism: An Inspiration from Micro-scale Biological	Office Of Naval Research	\$85,000
COLLEGE OF NURSING			
Gaylord, Nan; Skolits, Gary	Interprofessional Care at the Vine School Health Center (I.C.V.)	DHHS - Health Resources and Services Administration	\$409,814
COLLEGE OF SOCIAL WORK			
Glisson, Charles; Williams, Nathaniel	Understanding the Impact of Organizational Implementation Strategies on EBT Use	NIH - National Institute of Mental Health	\$33,413
CAMPUS CENTERS & INSTITUTES			
Hallo, Christian; Harrison, Robert	Develop 3-D Diffusion/Evolution Equations	DOE - UT-Battelle - ORNL	\$4,622
Mckay, Larry	Technical Support for Environmental Projects	DOE - UT-Battelle - ORNL	\$19,149
Sayler, Gary	BioEnergy Science Center, University of Tennessee, Phase II	DOE - UT-Battelle - ORNL	\$258,597
Sayler, Gary; Pfiffner, Susan	Assessment of Tracers and Microorganisms Associated with Environmental Samples	DOE - UT-Battelle - ORNL	\$30,000
You, Haihang	Technology Audit Services (TAS) for TeraGrid and XSEDE (XD) Subaward	University at Buffalo	\$58,997
OTHER			
Tsai, Peter	Investigation of Meltblowing Parameters and Fabric Structures to Achieve High Filtration Efficiency and Low Pressure Drop Filter Media	Rizhao Shengchuan Non-woven Products Co., Ltd	\$45,000

RECOGNITIONS

Seven UT faculty members have been named fellows by the American Association for the Advancement of Science. Included in the 2012 class are professors **Pengcheng Dai**, physics; **Howard Hall**, nuclear engineering; **Jimmy Mays**, polymer chemistry; **Gary Sayler**, microbiology; **Jan Simek**, professor of anthropology; **Alexei Sokolov**, chemistry; and **Carol Tenopir**, information science. With these seven, the university now has 45 AAAS fellows.

Donald Bell, clinical associate professor of nursing, has been elected chair of the Tennessee Board of Nursing.

Margaret Lazarus Dean, assistant professor of English, has received a Tennessee Arts Commission Individual Artist Fellowship for 2012-13.

Patrick L. Dunn, associate professor of counselor education in the College of Education, Health, and Human Sciences, has been named the 2012 Outstanding Rehabilitation Educator by the International Association of Rehabilitation Professionals (IARP).

Iris Goodwin, associate professor of law, has been elected to the American College of Trusts and Estates Counsel.

Kenneth D. Kihm, professor of mechanical, aerospace and biomedical engineering, has received the Asanuma Memorial Award from the International Society of Flow Visualization.

Vasileios Maroulas, assistant professor of mathematics, has received the Levehulme Trust Fellowship at the University of Bath in Great Britain.

Gary Pulsinelli, professor of law, presented a paper recently to the 2012 annual meeting of the Entomological Society of America. The title was "Hey, that's my [photo] [app] [post]!": Intellectual Property Issues in Disseminating Science in a Social-Media World."

Glenn Reynolds, professor of law, has been inducted into the East Tennessee Writers Hall of Fame.

Pat Summitt, coach emeritus of the UT women's basketball team, has received the 2012 Billie Jean King Legacy Award for her contributions to diversity and inclusion.

Leon Tolbert, the Min H. Kao Professor in the Department of Electrical Engineering and Computer Science, has been named a Fellow of the Institute of Electrical and Electronics Engineers for his contributions to multilevel power electronic converter technology.

We want to know what makes you proud!

We are looking for your good news. Please share with us information about honors and awards, fellowships and offices, and other significant recognition that you have received recently. Please submit your items to Bill Dockery at dockeryb@utk.edu and we'll spread the word.

WANTED!

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>