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Awards and Recognitions

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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MAY 16, 2012

AWARDS FOR APRIL 27–MAY 10, 2012

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARCHITECTURE & DESIGN			
Stach, Edgar	UTRF Contract to Support Living Light House	Tennessee Solar Institute	\$80,000
COLLEGE OF ARTS & SCIENCES			
Burr, Devon	Aeolian Saltation under Titan Conditions: Wind Tunnel Experiments and Integrated Numerical	NASA - Headquarters	\$130,797
Campagna, Shawn	EAGER: Use of Metagenomics and Metabolomics to Investigate the Evolution	Florida International University	\$115,367
Decorse, Elizabeth	Site Revisits on Cherokee (40HW350 and 40HB193) and Norris	University of Alabama	\$2,956
Emery, Joshua	Accurate Insights on Multiple Asteroid Systems: Shape, Bulk Density and Formation	Search for Extraterrestrial Intelligence Institute	\$29,192
Emery, Joshua	OSIRIS-REx	University Of Arizona	\$50,971
Emery, Joshua	Surface Characterizations of Icy Galilean Satellites	NASA - Headquarters	\$133,605
Feigerle, Charles; Rack, Philip	Development of a Thin-Film Boron Phosphide Solid-State Neutron Detector	National Nuclear Security Administration	\$250,000
Feng, X.; Karakashian, O.; Xing, Y.	2012 John Barrett Lectures: Recent Developments in Finite Element Discontinuous	University of Minnesota	\$4,500
Fitzpatrick, Benjamin; Dittrich-Reed, Dylan	Dissertation Research: Roles of Host Hybridization and Symbiont Admixture	National Science Foundation	\$14,900
Gross, Louis	UT-Battelle EPA Risk - Environment Assessment and Decision Analysis	DOE - UT-Battelle - ORNL	\$241,959
Grzywacz, Robert	Comprehensive Beta Decay Measurements of Very Neutron Rich Nuclei	Rutgers The State University of New Jersey	\$244,496
Hatcher, Robert	Continued Detailed Geologic Mapping, Central Georgia Inner Piedmont	US Dept. of Interior - US Geological Survey	\$12,269
Higgs, Catherine	Sisters for Justice: Religion and Political Transformation in Apartheid South Africa	National Humanities Center	\$45,000
Kamyshkov, Y.; Efremenko, Y.; Handler, T.; Siopsis, G.; Spanier, S.	Elementary Particle Interactions	U.S. Department of Energy	\$674,000
Mays, Jimmy	Polymer-Based Multicomponent Materials	DOE - UT-Battelle - ORNL	\$21,622
Stuart, Gregory	A Program of Research and Mentorship on Alcohol Use and Intimate Partner Violence	NIH - National Institute on Alcohol Abuse and Alcoholism	\$197,049
Van De Moortel, Aleydis	Mitrou Archaeological Project	Institute for Aegean Prehistory	\$25,000
Van Riemsdijk, Francoise	Governance of International Labor Migration: Scalar Politics and Network	National Science Foundation	\$160,000
Weitering, Hanno	Electron and Lattice Dynamics Across Phase Transitions in Triangular Lattice	National Science Foundation	\$120,000
Weitering, Hanno	Investigations of Hydrogen Storage in Metallic Thin Films	DOE - UT-Battelle - ORNL	\$63,081
Williams, Richard	AS107 Operation and Maintenance	Southern Methodist Univ.	\$42,750
Zhao, Bin	Materials World Network: Collaborative Research: Nanoscale Self-Assembly of Well-Defined Binary Mixed Homopolymer Brushes Grafted on Various Inorganic Particles	National Science Foundation	\$99,000
Zhu, Wenguang	Theory and Simulations of Nanoscale Materials	DOE - UT-Battelle - ORNL	\$81,769
COLLEGE OF COMMUNICATION & INFORMATION			
Allard, Suzanne	CCI Student Services to B&W Y-12	BWXT Y-12, LLC	\$39,665
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Davis, Jeffrey	American Indian Sign Language Conference 2012	National Science Foundation	\$56,106
Erwin, Paul; Hamilton, Charles	Public Health Training Center	East Tennessee State University	\$25,000
COLLEGE OF ENGINEERING			
Alshibli, Khalid	Integral Abutment Bridge for Louisiana's Soft and Stiff Soils	Louisiana State University	\$41,879
Benson, Roberto	Characterization of Precursor Fibers and Carbon Fibers	DOE - UT-Battelle - ORNL	\$10,000
Bhat, Gajanan	Meltblown Nanofiber Nonwoven Fabrics for Automotive Filter Applications	UFI Innovation Center	\$69,821
Fathy, Aly	Simulation and Measurement Study for Spallation Neutron Source Project	DOE - UT-Battelle - ORNL	\$43,986
Hall, Howard	Technical Support for Nonproliferation Studies	DOE - UT-Battelle - ORNL	\$18,004
Hall, Howard	Technical Support for Evaluating Technologies for Sample Collection & Personnel	DOE - UT-Battelle - ORNL	\$17,409
Hayward, Jason	Radiation Detection Research and Development	DOE - UT-Battelle - ORNL	\$14,700

AWARDS FOR APRIL 27–MAY 10, 2012 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
Hayward, Jason	Undergraduate Student Work in Nuclear Materials Accountancy	DOE - UT-Battelle - ORNL	\$17,528
Hayward, Jason	Characterization of Gamma-Ray Imager for Combined Gamma-Ray and Visible Light	DOE - UT-Battelle - ORNL	\$27,270
Hayward, Jason	Algorithm Development for Dual Gamma-Ray and Fast Neutron Imaging of Nuclear	DOE - UT-Battelle - ORNL	\$21,055
Hines, J.	Power Plant Online Monitoring Data Analysis	ALSTOM Power, Inc.	\$13,150
Hines, J.; Heilbronn, Lawrence	The Nuclear Engineering Faculty Development Program at the University of Tennessee	Nuclear Regulatory Commission	\$449,999
Irick, David	PHEV Engine Control and Energy Management Strategy	DOE - UT-Battelle - ORNL	\$56,685
Islam, Syed	Needle Implantable Wireless Multisensors for Continuous Glucose Monitoring	Biorasis Inc.	\$2,000
Liu, Yilu	Wide-Area Measurement Data Driven Model for Stability Analysis	Electric Power Research Institute	\$30,545
Mandrus, David	Anisotropic Itinerant Ferromagnets	DOE - UT-Battelle - ORNL	\$31,402
Mench, Matthew	Whole-Cell Modeling and Integrated Experimentation of Bioelectrochemical Systems	Pennsylvania State University	\$50,071
Parker, Lynne	Editor-in-Chief Duties for IEEE RAS Conference Editorial Board	Institute of Electrical and Electronics Engineers	\$24,950
Rack, Philip	Center for Nanophase Materials Science (CNMS)	DOE - UT-Battelle - ORNL	\$35,000
Rawn, Claudia; Dou, Peng; McHargue, Carl	Advanced Nuclear Materials and Fuels	DOE - UT-Battelle - ORNL	\$43,726
Tolbert, Leon; Blalock, Benjamin; Wang, Fei	Confidential	Confidential	\$11,486
Tolbert, Leon; Blalock, Benjamin; Wang, Fei	Ultra High Efficiency Power Converters	Auburn University	\$150,000
Wirth, Brian	Modeling Materials Performance in Extreme Environments	DOE - UT-Battelle - ORNL	\$82,000
COLLEGE OF SOCIAL WORK			
Patterson, David	KnoxHMIS Exhibit 2 Renewal 2012-2013	Housing and Urban Development	\$132,282
CAMPUS CENTERS & INSTITUTES			
Brook, Robert; Dongarra, Jack; Harrison, Robert	Beacon: A Strategic Path to Scientific Discovery Enabled by the Intel MIC	National Science Foundation	\$1,058,230
Harrison, Robert	RDAV Large Scale Data Sets Interns	DOE - UT-Battelle - ORNL	\$40,617
Harrison, Robert	Jewell Health Care Informatics	DOE - UT-Battelle - ORNL	\$6,000
McKay, Larry	Subcontract to Penn State University for Their Proposal to NSF for Development of Critical Zone Observatory at the Shale Hills Site in Pennsylvania	Pennsylvania State University	\$2,000
Pfiffner, Susan; Biggerstaff, John; Saylor, Gary	Assessment of Microbial Communities Associated with Human Microbiota, Stream	DOE - UT-Battelle - ORNL	\$80,000
Riedinger, Leo	Jacob McMurray ESE CIRE	DOE - UT-Battelle - ORNL	\$21,573
OTHER			
Perry, Deborah	Confidential	Confidential	\$192,782

RECOGNITIONS

Research by **Barry Bruce**, professor of biochemistry and microbiology, has been designated a Director's Strategic Initiative by the Army Research Laboratory and has been written up in the organization's annual review for 2011. The Army is focusing on Bruce's work with a photosynthetic molecular complex called photosystem I as a catalyst for producing hydrogen as a part of battlefield fuel production. The Army recognition brought Bruce additional funding support.

A paper by **Frederick Dosaling**, a research associate in ecology and evolutionary biology, was named risk management paper of the year for 2011. The article, "Developing Health-Based Pre-Planning Clearance Goals for Airport Remediation Following a Chemical Terrorist Attack: Decision Criteria for Multipathway Exposure Route," was published in the *Journal of Human and Ecological Risk Assessment*.

Victoria Niederhauser, dean of the College of Nursing, has been named to Leadership America Class of 2012, a program of the organization Women's Resources. Niederhauser was one of 53 in the class.

An article by **Glenn Reynolds**, professor of law, is the most downloaded legal paper from the Social Science Research Network in recent weeks. The paper, "A Due Process Right to Record the Police" tackles the contentious issue of citizens' rights to capture audio or video of police officers performing their duties.

Val Vojdik, professor of law, will teach in the Middle Eastern Rule of Law program this summer in Istanbul, Turkey. Sponsored by the Open Society Institute, the July program is designed to teach lawyers and fellows from Palestine, Jordan, Egypt, Syria, Lebanon, and Iraq ways to encourage the development of institutionalized systems of law that promote democracy and open societies.

The Knoxville Homeless Management Information System (KnoxHMIS) has been recognized as a 2012 Exemplary Project by the Association of Public and Land-grant Universities. The honor is part of the Magrath/Kellog Award sponsored by the association and the National Outreach Scholarship Conference. **David Patterson**, professor in the College of Social Work, spearheaded the nomination.