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THE UNIVERSITY of TENNESSEE UT KNOXVILLE

Awards and Recognitions

http://research.utk.edu APRIL 11, 2012

AWARDS FOR MARCH 13–APRIL 2, 2012

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARCHITECTURE & DESIGN			
Wilkinson, Jeffrey	UT Knoxville Application: Tennessee State Board of Architectural and Engineering Examiners	State of Tennessee	$37,527
COLLEGE OF ARTS & SCIENCES			
Bingham, Carrol	Matching Funds - UT/ORNL Joint Institute	DOE - UT-Battelle - ORNL	$490,000
Cyr, Howard	Geoarchaeological Investigation of the Oxford Recreation Facility, Oxford	Goodwyn, Mills and Cawood, Inc.	$5,237
Dadmun, Mark	Characterization of Lignin Feedstock for Use in Improved Carbon Fiber	DOE - UT-Battelle - ORNL	$30,000
Dai, Pengcheng	Study Magnetic Excitations in Doped Transition Metal Oxides Using Inelastic Neutron Scattering	DOE - US Dept. of Energy	$220,000
Dai, Pengcheng	Neutron Scattering Studies of Spin and Lattice Dynamics in Electron-Doped Iron	National Science Foundation	$120,000
Dai, Sheng	Support for the MRS Symposium	DOD - Army Research Office	$8,000
Dolislager, F.; Galloway, L.; Gross, L.; Stewart, D.	Risk Integration Support for FY 2012 Wr63, Rev 000	DOE - URS CH2M Oak Ridge LLC (UCOR)	$1,558
Dolislager, F.; Galloway, L.; Gross, L.; Stewart, D.	Risk Integration Support for FY 2012 Wr63, Rev 000	DOE - URS CH2M Oak Ridge LLC (UCOR)	$3,116
Engel, Annette	ARRA: The Speciation and Behavior of Sulfur Gases in Biogeochemical Processes	Louisiana State University	$46,996
Hollenbach, Kandace	Archaeological Subsistence Analysis, Wr Oxford Project, Calhoun County, Alabama	Spectrum Environmental Services, Inc.	$12,573
Kabalka, George	Organic Dyes - 900 nm Project	U.S. Department of Energy	$10,000
Kaplan, Gregory	Spanish Translation Services at ORNL	U.S. Department of Energy	$12,778
Long, Brian	STIR: Redox-Switchable Olefin Polymerization Catalysis: Electronically Tunable	DOD - Army Research Office	$50,000
Nebenfuehr, Andreas	Myosin Functions in Root Hairs	National Science Foundation	$6,120
Steadman, Dawnie	Bioarchaeological Analysis, Wr Oxford Project, Calhoun County, Alabama	Spectrum Environmental Services, Inc.	$10,716
Yerka, Stephen	Addendum to In-Field Archaeological Geophysical Consultation, Oxford Recreation	Goodwyn, Mills and Cawood, Inc.	$7,221
COLLEGE OF BUSINESS ADMINISTRATION			
Fox, William	Tenncare Patient Satisfaction Survey	State of Tennessee	$256,407
Fox, W.; Murray, M.	Re-Estimate the Cost Differential Factor for the BEP	TN Department of Education	$28,607
Stewart, Joseph	Air Force Acquisition Improvement Support - IDIQ	DOD - Dept. of the Air Force	$220,000
Wanamaker, Marianne	The Economic Origins and Ramifications of the Great Migration	National Science Foundation	$215,943
COLLEGE OF COMMUNICATION & INFORMATION			
Fitchpatrick, Steven	Scientific Presentations Workshop	DOE - UT-Battelle - ORNL	$6,300
Suttles, Barbara	Genome Management Information System/Communications and Management Expert	DOE - UT-Battelle - ORNL	$125,393
COLLEGE OF EDUCATION, HEALTH AND HUMAN SCIENCES			
Erwin, Paul	Public Health Services and Systems Research Coordinating Center	University of Kentucky Research Foundation	$37,784
Morrow, Jennifer; Skolits, Gary	Follow-Up Evaluation of the Love Your Money Online Investor Education Program	UTIA - Extension	$49,975
Zemel, Michael	Synergistic Effects of Metformin with Resveratrol-Hydroxymethylbutyrate Blend	Nutraceutical Discoveries, Inc	$50,361
COLLEGE OF ENGINEERING			
Berry, Michael	Love Your Money	UTIA - AgResearch	$77,625
Bray, Larry	Technical Support of TVA Navigation Mission	Tennessee Valley Authority	$31,694
Cao, Qing Charles	CAREER: Operating System Based Energy Virtualization for Sensor Networks	National Science Foundation	$16,000
Clarke, David	Support to Transportation Policy Analysis Research Program	DOE - UT-Battelle - ORNL	$12,235
Clarke, David	Doe/EPA Fuel Economy Information	DOE - UT-Battelle - ORNL	$22,973
Clarke, David	Doe/EPA Fuel Economy Information Site	DOE - UT-Battelle - ORNL	$50,238
Clarke, David	Fuel Economy Guide	DOE - UT-Battelle - ORNL	$45,307
Clarke, David	Fuel Economy Program & Clean Cities Activities	DOE - UT-Battelle - ORNL	$25,361
Clarke, David	Fuel Economy Web Site	DOE - UT-Battelle - ORNL	$35,578
Davis, Wayne	Tennessee Department of Commerce & Insurance Board of Architectural and Engineering Examiners	State of Tennessee	$50,035

AWARDS FOR MARCH 13–APRIL 2, 2012 (CONT.)			
INVESTIGATOR	**TITLE**	**SPONSOR**	**AWARD**
Djouadi, Seddik	Design and Model Development of Electric Grid Components for Cyber-Physical	DOE - UT-Battelle - ORNL	$10,531
Dongarra, Jack	Workshop on Clusters, Clouds and Grids for Scientific Computing	National Science Foundation	$37,640
Dongarra, J.; Andrews, P.	Keeneland: National Institute for Experimental Computing	Georgia Institute of Technology	$127,033
Gao, Yanfei; Troparevsky, Maria	Theoretical Studies of Novel Properties of Metal/Alloy Nanoparticles	DOE - UT-Battelle - ORNL	$12,500
Hu, Bin	Magneto-Optical Studies of Charge Dissociation, Transport, and Collection	National Science Foundation	$18,000
Hu, Bin	Exploring Novel Spintronic Responses from Advanced Functional Organic Materials	DOD-AFOSR-AOARD	$25,000
Jin, Mingzhou	Decision Support Tools for Transportation Resilience & Security	Mississippi State University	$108,800
Langston, Michael	Environmental Context of Health Disparities	Meharry Medical Center	$74,962
Lee, Dongjun	CAREER: Passivity-Based Distributed Frameworks for Multiuser Shared Haptic Collaboration	National Science Foundation	$92,621
Lee, Ida	SSPM Investigation for Post-Detonation Behavior of Radiological Debris	DOE - UT-Battelle - ORNL	$25,190
Liaw, Peter	Computational Design of Creep-Resistant Alloys and Experimental Validation	U.S. Department of Energy	$419,409
Liaw, Peter; Clarke, David	Fracture Toughness and Fatigue Properties of Pipeline Base Steels and Welds in High-Pressure Hydrogen and Technologies	DOT - Federal Highway Administration	$397,930
Maldonado, Guillermo	Enhancements to the 3-D Core Simulator Nestle-Candu	Canadian Nuclear Safety	$25,000
McHargue, C.; Gussev, M.	Mechanical Properties of Nuclear Materials	DOE - UT-Battelle - ORNL	$48,366
Poore, J.; Swain, W.	SNS Analysis Software Architecture and Prodess Definition	DOE - UT-Battelle - ORNL	$76,306
Rack, Philip	Molecular Scale Engineering and Nanoscale Technologies	DOE - UT-Battelle - ORNL	$15,000
Rack, Philip	Synthesis of Complex Oxide Nanostructures	DOE - UT-Battelle - ORNL	$36,540
Tolbert, L.; Blalock, B.	Isolation and Gate Buffer for Smart Integrated Power Module	DOE - UT-Battelle - ORNL	$40,000
COLLEGE OF SOCIAL WORK			
Campbell, P.; Bassett, D.; Cunningham, M.; Everett, J.; Fitzhugh, E.; McNeely, C.; Murray, M.	HUD Sustainable Communities Regional Planning Grant	City of Knoxville	$495,894
CAMPUS CENTERS & INSTITUTES			
Davenport, Joel	IDF Rangefinder Environmental Testing	Opti-Logic Corporation	$1,500
Gangaware, T.; Robinson, K.; Schwartz, J.	FY2011 WRRIP Application for TN Water Resources Center	US Dept. of Interior - US Geological Survey	$92,335
Harrison, Robert	Functionality of the Vampir Tools Set Domke	DOE - UT-Battelle - ORNL	$16,654
Harrison, Robert	Implementation of Key Metrics	DOE - UT-Battelle - ORNL	$10,026
Hofmeister, William	Laser Die Coating with Chromium	International Copper Assn.	$5,000
Layton, A.; DiClaudio, M.; Eldridge, M.; Menn, F.	Study the Prevalence and Concentration of Pharmaceutical Compounds	TN Dept. of Environment and Conservation	$128,700
Loeffler, Frank	Identification of Microbes and Pathways for Enhanced Carbon Tetrachloride	Dupont/Pioneer	$150,000
Moeller, Trevor Michael	Characterization of Heat Transfer Coefficient Uncertainty in Support of High Temperature Probe Measurement Technology	AEDC/FMF	$42,500
Sayler, G.; Cox, C.; Jouline, I.; Smith, J.; Stewart, C.	Cellulosic Biomass Deconstruction, Characterization and Modeling	DOE - UT-Battelle - ORNL	$480,000
Wilt, Catherine	Technical Support to ORNL Energy Program Evaluation Projects	DOE - UT-Battelle - ORNL	$41,511

RECOGNITIONS

Pengcheng Dai and his research group — including graduate students **Mengshu Liu, Leland Harringer**, and staff assistant **Meng Wang** — have had a paper published in *Nature Physics* on magnetism in an alloy made up of barium, iron, nickel, and arsenic. The paper, "Nature of Magnetic Excitations in Superconducting $BaFe_{1.9}Ni_{0.1}As_2$," appeared in the journal March 25.

The Limits of Literary Historicism by **Allen Dunn** and **Thomas F. Haddox** has been released as a joint publication of the University of Tennessee Press and UT Knoxville's English department. The book is the 45th volume in the Tennessee Studies in Literature series. Dunn is professor and Haddox is associate professor in English.

Sarah Lowe, associate professor of art, has been awarded a Fulbright Fellowship to work in an interdisciplinary research center at the University of Oslo in Norway. Lowe will work with the Communicating Organizations in Networks of Art and Cultural Heritage Technologies (CONTACT), a project team of InterMedia, an interdisciplinary research center that investigated the intersections of design, communication, and learning in digital environments. Lowe has been recognized for her work communicating cultural heritage (Knoxville's black heritage, Cherokee history) through mobile and tablet media technologies.

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