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THE UNIVERSITY of TENNESSEE KNOXVILLE

AWARDS AND RECOGNITIONS

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AWARDS FOR JANUARY 15–28, 2010

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Bingham, Carrol R.	Release Characteristics of Thorium	Oak Ridge Associated Universities	$36,104
Dagotto, Elbio Ruben	Distinguished Scientist	UT-Battelle - ORNL	$60,250
Dai, Pengcheng; Plummer, Earl Ward; Thompson, James R.	Growth and Characterization of Magnetic Nanostructures	UT-Battelle - ORNL	$27,645
Dolislager, Fredrick; Galloway, Leslie; Gross, Louis	Risk-Integration Support for FY10 Work Release WR#0059 Rev 000	Bechtel Jacobs Development Company	$21,120
Joy, David C.	Distinguished Scientist	UT-Battelle - ORNL	$101,805
Nazarewicz, Witold; Papenbrock, Thomas Franz	UNEDF Universal Nuclear Energy Density Functional - (Formerly Subcontracted through University of WA)	Department of Energy, Office of Science	$260,000
Peterson, Cynthia B.	Analysis Software and Algorithm Development	UT-Battelle - ORNL	$35,260
Peterson, Cynthia B.	Graduate Research Assistant - Brian Erickson	UT-Battelle - ORNL	$33,677
Peterson, Cynthia B.	Grad Research Assistant-Alison Russell	UT-Battelle - ORNL	$30,289
Taylor, Lawrence A.	Moon Mineralogy Mapper - Science Advisory Team	Brown University - Office of Sponsored Projects	$54,618
Taylor, Lawrence A.	The Moon as Cornerstone to the Terrestrial Planets: The Formative Years	Brown University - Office of Sponsored Projects	$12,600
Venkatachalam, Sundaresan	Role of FOXN3 in Development and Tumor Suppression	Physician's Medical Education and Research Foundation	$10,000
Weitering, Hanno H.	Ultrathin Oxide Growth and Characterization	UT-Battelle - ORNL	$76,010
Zhu, Wenguang; Feigerle, Charles; Weitering, Hanno; Yoon, Mina	Theory and simulations of nanoscale materials	UT-Battelle - ORNL	$98,769
COLLEGE OF BUSINESS ADMINISTRATION			
Schriver, William R.; Li, Xueping	Construction Industry Information and Construction Inspections - OSHA	US Dept. of Labor - Financial Services Center/OASAM	$239,851
Shelton, Robert B.; Dahlin-Brown, Nissa D.; Lowe, Alan Connor	National Summit on Science, Technology, and Sustainable Economic Growth	National Science Foundation	$100,000
COLLEGE OF ENGINEERING			
Becher, Paul Fredric	Atomistically Informed Materials Design of Ultrahigh Temperature Ceramics for Improved	University of Houston	$89,924
Clarke, David; Urbanik, Thomas	Cross-Walk Tables Assistance	UT-Battelle - ORNL	$21,287
Cooper, Ann Carolyn	Support for GTRI Transportation Security Project	UT-Battelle - ORNL	$50,000
Dongarra, Jack	SciDAC Institute for Scalable Application Development Software	US Dept. of Energy - Energy and Technology	$135,000
Halstead, Peter D.	External Random Production for Easton Bell Sports, Inc.	Riddell Sports Inc.	$12,000
Hines, J Wesley	On-Line Monitoring and Diagnostics for Drilling Operations	Baker Hughes Inteq	$35,485
Huang, Jian	SciDAC Institute of Ultrascale Visualization	US Dept. of Energy - Energy and Technology	$100,000
Islam, Syed K.	Miniaturized Wireless Implanatable Biosensors for Metabolic Monitoring	University of Connecticut	$19,513
Komistek, Richard David; Mahfouz, Mohamed R.	In Vivo Analysis of Rigid Body Sound Mechanics	Joint Vue	$500,000
Liao, Haitao	CAREER: Adaptive Operational Coordination Methodology for Uncertainty Reduction in Product Life Cycle Reliability and Service Logistics	National Science Foundation	$400,000
Liu, Yilu	OTEC Power System Stability Study	Lockheed Martin	$50,001
McHargue, Carl J.; Kulkarni, Nagraj Sheshgiri	High Throughput Isotopic Diffusion Databases for Integrated Computional Materials Engineering	UT-Battelle - ORNL	$22,045
Morris, James R.	Structural Studies of Nanoporous Carbon for Hydrogen Adsorption	UT-Battelle - ORNL	$104,717
Penumadu, Dayakar	Neutron Imaging and Scattering Techniques for Aluminum Alloys	General Motors	$30,000
Tolbert, Leon M.	Basic Circuit Cells to Reduce Stray Inductance in Power Electronics Packages	UT-Battelle - ORNL	$39,000
Townsend, Lawrence W.	Additional Improvements to the Hzetrn Code and the Nucfrg2 Database	NASA - Langley Research Center	$50,000
Upadhyaya, Belle R.	Data Processing and Statistical Analysis of the Blend-Down Monitoring System (BDMS)	UT-Battelle - ORNL	$60,861

AWARDS FOR JANUARY 15–28, 2010 (CONT.)			
INVESTIGATOR	TITLE	SPONSOR	AWARD
Wang, Xiaorui	Enforcing Timing and Power/Thermal Constraints for Mission-Critical Real-Time Embedded Systems	Office of Naval Research - Atlanta Regional Office	$89,924
Zhang, Mingjun	MEMS Device for Studying Tumor Metastasis	UT-Battelle - ORNL	$14,337
COLLEGE OF SOCIAL WORK			
Campbell, Paul M.; Black, Brenda J.; Cunningham, Maryanne Lynch	MTSU Tennessee Center for Child Welfare FY 2010	Middle Tennessee State University	$1,517,186
Patterson, David A.	HMIS Matching Funds	United Way	$10,000
CAMPUS CENTERS & JOINT INSTITUTES			
Briscoe, Connie Sylve; Burroughs, Marci Sondra; Mallinckrodt, Brent Stephen; Reilly, Daniel William	VolAware Suicide Prevention Initiative - A Collaborative Approach to Addressing Mental Health	Substance Abuse & Mental Health Services Adm (SAMSA)	$99,999
Bell, Larry L.	Microorganisms for Production of Ethanol and Other Chemicals from Biomass	UT-Battelle - ORNL	$11,126
Cole, Gregory Scott	Global Ring Network for Advanced Applications Development (GLORIAD)	National Science Foundation	$218,000
Macek, Joseph H.	Theory of Fragmentation and Rearrangement Process in Ion-Atom Collisions	US Dept. of Energy - Golden Field Office	$125,000
Woods, Clifton	Agreement for Technical Support	Exxon Chemical Co. - Polymers Licensing Mgr.	$69,500
Zacharia, Thomas; Nichols, Jeffrey Alan	Develop Memory Indexes for the MS-Based Proteomics Algorithms	UT-Battelle - ORNL	$28,397

AAAS RECOGNIZES 11 FELLOWS AT UTK

Eleven faculty members from UT Knoxville have been named fellows of the American Association for the Advancement of Science.

That number of new fellows puts UTK in a tie with Cornell for second place in the annual fellowship honors. Only Ohio State had more fellows, with 17 named at this year's AAAS convention.

In 2009, AAAS named 10 faculty members from UTK, putting the university fourth behind Ohio State, the University of California system, and the University of Illinois.

UT Knoxville's 2010 AAAS Fellows include:

Robert Norman Compton, professor of chemistry, for distinguished contributions to the understanding of negative ions and nonlinear laser spectroscopy.

Elbio R. Dagotto, distinguished professor of physics, for distinguished contributions to the field of theoretical and computational condensed-matter physics.

Narendra B. Dahotre, professor of materials science and engineering, for outstanding contributions to research and development and teaching of science and technology of laser materials-processing and surface engineering.

Carol P. Harden, professor of geography, for distinguished contributions to geographic understanding of land-use change and watershed processes, and as vice president and president of the Association of American Geographers.

Suzanne Lenhart, professor of mathematics, for distinguished contributions to the field of optimal control and modeling of biological and physical applications and to education, service and outreach activities.

Brent S. Mallinckrodt, professor of psychology, for distinguished contribution to the field of psychotherapy research and health psychology and as editor of the Journal of Counseling Psychology.

Gary Frederick McCracken, professor of ecology and evolutionary biology and director of the Center for Environmental Biotechnology, for distinguished contributions to the fields of population biology, ecology and conservation biology with regard to the knowledge of bats.

Witold Nazarewicz, professor of physics, for distinguished contributions to the field of theoretical nuclear structure.

Cynthia B. Peterson, professor and department head, biochemistry and cellular and molecular biology, for promoting biophysical approaches to study the physiology of coagulation and fibrinolysis and for advancing interdisciplinary education at the interface of computational and biological sciences.

Michael J. Sepaniak, professor of chemistry, for the advancement of the fundamental understanding and the practical implementation of diverse methods of microchemical analysis.

Lawrence A. Taylor, professor of earth and planetary sciences, for distinguished contributions to the field of planetary geochemistry.

OTHER RECOGNITIONS

Michael Handelsman, distinguished professor in the humanities and professor of modern foreign languages and literatures (Spanish), is the co-editor of the book, *Globalization and its Apparitions (La Globalización y sus Espejismos)*, recently published by Ecuadorian publisher El Conejo. The work is a collective effort by 13 humanists from five different countries, reflecting upon the contradictory and conflicted nature of globalization.

Haitao Liao, joint professor in industrial and information engineering and nuclear engineering, has received a National Science Foundation CAREER Award.

Norman Magden, professor of art, recently received a first place award in the Experimental Film category for his film, "CAFÉ," at the Los Angeles Reel Film Festival. The film also was selected for screening at festivals in Hollywood, New Orleans, Denver, and Quito, Ecuador.

Lynne Parker, professor of electrical engineering and computer science, has been named to the IEEE Fellow class of 2010 for her contributions to distributed and heterogeneous multi-robot systems.

Dolly Young, professor of modern foreign languages and literatures (Spanish), has just published *¡Vívelo!* with John Wiley and Sons, Inc. This first-year comprehensive textbook and program includes an electronic activities manual, self-tests and assignment questions, animated grammar tutorials, voice-recording questions and voice boards powered by Wimba. The entire textbook is also digitized with audio and video.

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