Awards & Recognition

THE UNIVERSITY of TENNESSEE KNOXVILLE

RESEARCH, SCHOLARSHIP, CREATIVE ACTIVITY | 23 APRIL 08

Awards for UT Knoxville, 4-17 April 2008

INVESTIGATOR	TITLE	SPONSOR	AWARD
College of Arts and Sciences			
HERRMANN, NICHOLAS P.	Geophysical Prospection of First United Methodist Church Cemetery	Individual	$1,545
HERRMANN, NICHOLAS P.	Phase I Survey of Select Tracts on Nolichucky, South Holston, and Watau	Tennessee Valley Authority	$5,142
Hammerstedt, Scott William	Phase I Archaeological Survey at the Grand Gulf Nuclear Station, Port Gil	Enercon Services, Inc.	$873
BAKER, DAVID C.	Scaleup and Delivery of DCB-3503, a Potent Antitumor Agent and Synthe	UT Research Foundation	$15,000
DADMUN, MARK	Synthesis, Assembly, and Nanoscale Characterization of Confined, Conjug	UT-Battelle, LLC-Oak Ridge National Laboratory	$30,000
KILBEY, SIDNEY MICHAEL; BARNES, CRAIG ELIOT	Structural and Frictional Interactions Between Microphase Segregated, Mu	American Chemical Society Journal Publishing Operations	$90,000
WELSH, CHRISTOPHER JOHN EDWA; GROSS, LOUIS J.	Em Project Support Under Blanket Agreement #23900-Ba-Ca021f, Wr #5	Bechtel Jacobs Company, LLC - Accounts Payable	$2,492
Gavrilets, Sergey; Vose, Michael D.	New Approaches to Modeling of Speciation	NIH - National Institute of General Med Sciences	$194,102
Hallam, Thomas G.	Environmental Risk and Modeling Information - Heast	UT-Battelle, LLC-Oak Ridge National Laboratory	$12,500
Stewart, Robert N.; Gross, Louis J.; Purucker, Steven T.	Sparse Radiological Subsurface Survey Data Analysis	U.S. Nuclear Regulatory Commission	$145,000
SU, CHUNLEI; CUI, YAN	Gene expression networks and virulence regulation in Toxoplasma gondii	American Heart Association National Center	$308,000
SANGSTER, MARK YELDHAM	In Vitro Analysis of the Anti-Influenza Virus Activity of Pomegranate Juice	POM Wonderful, LLC	$0
Small, Pamela	Ecology of Mycobacterium Ulcerans Infection: Evaluating Landscape Relat	Michigan State University	$15,950
Small, Pamela	Ecology of Mycobacterium Ulcerans Infection: Evaluating Landscape Relat	Michigan State University	$8,461
Dagotto, Elbio Ruben	Distinguished Scientist	UT-Battelle, LLC-Oak Ridge National Laboratory	$60,250
Egami, Takeshi	Atomistic Study of Bulk Metallic Glasses	UT-Battelle, LLC-Oak Ridge National Laboratory	$29,935
Plummer, Earl Ward	Magnetism and Spin-dependent Transport in Novel Magnetic Nanostructu	UT-Battelle, LLC-Oak Ridge National Laboratory	$8,575
Weitering, Hanno H.; Cui, Shengting	Nanoscale Fluidic Technologies for Rapidly Sequencing Single DNA Molec	University of North Carolina at Chapel Hill	$32,971
Plechac, Petr	Joint Faculty	UT-Battelle, LLC-Oak Ridge National Laboratory	$93,315
College of Communication and Information			
ALLARD, SUZANNE LORRAINE	Networked Digital Library of Theses and Dissertations (NDLTD) Awarer	Other industry non-specified	$2,000
SUTTLES, BARBARA C.	Genome Management Information System - Information Specialist II	UT-Battelle, LLC-Oak Ridge National Laboratory	$40,000
College of Education, Health and Human Sciences			
Stephens, Jean; PONDER, BETH ANN	Support for State Implementation of Standards-Based Education	Other private non-specified	$1,302
STRAYHORN, TERRELL LAMONT	Enhancing Minority Student Performance in Priority Areas: Using Cultural	Tennessee Higher Education Commissi	$0
RAYNOR, HOLLIE	Reaching Snack Food Variety During Obesity Treatment	Other foundations non-specified	$432,969
College of Engineering			
ABIDI, BESMA ROUI	An Aquisition Platform for Non-Cooperative Long Range Ocular Biometr	West Virginia University	$27,408
Han, Lee D.	Congestion Mitigation Database Assistance	UT-Battelle, LLC-Oak Ridge National Laboratory	$5,500
ELHANANY, ITAMAR	A Comprehensive Data Security Solution for the Trusted Truck Project	National Transportation ResearchCenter, Incorporated	$106,492
BECK, MICAH; MOORE, TERENCE R.	National Geospatial Digital Archive	University of California, SantaBarbara	$149,051
Tolbert, Leon M.	High Temperature DC-DC Converter	UT-Battelle, LLC-Oak Ridge National Laboratory	$96,541
KUO, WAY; MCRAE, JOHN MALCOLM	TN. Dept of Commerce & Ins Bd of Architectural & Engineering Examine	TN Dept of Commerce-Board of Architects and Engineers Examin	$83,981
SAWHNEY, RAPINDER S.	User Facility Program Process Improvement	UT-Battelle, LLC-Oak Ridge National Laboratory	$28,458
GAO, YANFEI	Directed Self-Assembly and Film Growth of Superconductors and Other (	UT-Battelle, LLC-Oak Ridge National Laboratory	$30,000
PHARR, GEORGE M.	Piezoceramic and Piezoceramic Multilayer Actuator Characterization	UT-Battelle, LLC-Oak Ridge National Laboratory	$52,500
DeSmidt, Hans August	Career: Vibration-Based Active and Passive Damage Identification of Time	National Science Foundation	$409,931
Nguyen, Ke	An Experimental Investigation of Lean NOx Traps (LNTs), Selective Catal	UT-Battelle, LLC-Oak Ridge National Laboratory	$33,500
Hines, J Wesley	Ridgetop Phase II SBIR: Prognostic & Health Management (PHM) for Digit	Ridgetop Group, Inc.	$61,000
MALDONADO, GUILLERMO IVAN	BWR Assembly Optimization for Minor Actinide Recycling	University of Cincinnati	$99,138

NOTE: Because of cross-program anomalies, orthographic details may be inconsistent and some titles may be truncated.

Continued . . .

'. . . Awards, College of Engineering' continued

MALDONADO, GUILLERMO IVAN	Development of a Joint US-Russia Educational Program on Advanced Ener	University of Maryland	$38,709
Moore, Shirley V.	Development of an Automated Tool for Locating, Harvesting and Storing	Information International Associate	$45,000
Campus Centers and Joint Institutes			
DAHLIN-BROWN, NISSA D.	Civic Education - Community Enhancement Grant	State of Tennessee	$100,000
Thonnard, Norbert	CNMS Scanning Probe Support	UT-Battelle, LLC-Oak Ridge National Laboratory	$13,975

More UT faculty authors

Honored for books in 2006, 2007, or 2008. More to come as space allows.

Cano, Luis	Intermitente recurrencia: la ciencia ficcion y el canon literario en Hispanoamerica / Buenos Aires: Ediciones Corregidor. 2006.
Carcello, Joseph V.	GAAP Guide: Level A (CCH) / Williams, J.R., and J.V. Carcello / 2008.
Carcello, Joseph V.	GAAS Guide (CCH) / Beasley, M.S., and J.V. Carcello / 2008.
Carcello, Joseph V.	Financial Managerial Accounting, 14th edition. / Williams, J.R., S.F. Haka, M.S Bettner, and J.V. Carcello / (McGraw-Hill Irwin) 2008
Carcello, Joseph V.	Financial Accounting 13th edition / Williams, J.R., S.F. Haka, M.S Bettner, and J.V. Carcello / (McGraw-Hill Irwin) 2008.
Caudill, Edward	The Myth of Nathan Bedford Forrest (with Paul Ashdown) / Lanham, MD: Rowman & Littlefield, 2006.
Caudill, Edward	Sherman's March in Myth and Memory (with Paul Ashdown) / Lanham, MD: Rowman & Littlefield, 2008.
Chellaboina, Vijay	Nonlinear Dynamical Systems and Control: A lyapunov-Based Approach (with Wassim M. Haddad) / Princeton University Press. March 2008.
Chellaboina, Vijay	Impulsive and Hybrid Dynamical Systems: Stability, Dissipativity, and Control (with Wassim M. Haddad and Sergey G. Nersesov) / Princeton University Press. July 2006
Chellaboina, Vijay	Thermodynamics: A Dynamical Systems Approach (with Wassim M. Haddad and Sergey G. Nersesov) / Princeton University Pres June 2005
Coens, Thomas	The Papers of Andrew Jackson / University of Tennessee. 2008.
Cook, Joseph	Constitutional Rights of the Accused (19th ed), (4 vols) (supplemented annually) / 2007.
Cook, Joseph	Civil Rights Actions (with John Sobieski) (7 vols) (supplemented biannually) / 2007.
Cummings, Sherry	Handbook of Psychosocial Interventions for Older Adults: Evidence Based Approaches (co-editor with Kropt, N.P.) / New York; Haworth Press. 2008
Cunningham, Robert	Agendas and Decisions: How State Government Executives and Middle Managers Make and Administer Policy (with Dorothy Olshfski) / SUNY Press, 2006.
Dahms, Harry	Globalization Between the Cold War and Neo-Imperialism. (Volume 24 of Current Perspectives in Social Theory - this is an annual edited volume.) / New York: Elsevier. 2006.
Dahotre, Narendra	Materials Science and Manufacturing / BNH/ Academic Publishers. 2007.
Dahotre, Narendra	Laser Machining and Fabrication of Materials / Springer VCH. 2008
Dai, Yuan-shun	Advanced Parallel and distributed Computing; Evaluation, Improvement and Practices (with Y. Pan, R. Raje) / Nova Publishers, New York, USA. 2007
Dai, Yuan-shun	Trust and Security in Collaborative Computing (with W. Zou, and Y. Pan) / World Scientific, Hackensack, NJ, USA. 2008
Daniel, Gregory B.	Textbook of Veterinary Nuclear Medicine. 2nd ed. (with Berry CR.) / Raleigh, NC: American College of Veterinary Radiology; 20 (note** Dr. Daniel is no longer at UT,he is now at Virginia Tech, But he was here when this was published.)
Doherty, Thomas J.	Manuel of Equine Anesthesia and Analgesia. (with Valverde A.) / Oxford UK: Blackwell Publishing; 2006.
Douglas, Heather	Science, Policy, and the Value-Free Ideal / University of Pittsburgh Press, forthcoming 2008.
Egan, Marcia	Social work in community-based health care.(with Kadushin, G.) / Binghamton, New York: Hawworth press. 2007
Elhanany, Itamar	High-Performance Packet Switching Architectures (with M. Hamdi and Elhanany, M. as editors) / Springer-Verlag, London. September 2006.
Ellis, Rod	The Macro Practitioner's Handbook: A step-by-step guide to effectiveness with organizations and communities (with Crane, K.D., Gould, M.Y., & Shatila, S.L.) / Pacific Grove, CA: Brooks Cole/wadsworth. 2006.
Ellis, Rod	Best Practices in Residential Treatment / West Hazelton, PA: Haworth, 2008.
Essif, Les	The French Play: Exploring Theatre 'RE-creatively' with Foreign Language Students / Calgary, Canada: University of Calgary Press, 2006.

A new CAREER . . .

Hans DeSmidt, assistant professor in mechanical, aerospace, and biomedical engineering has become the latest UT Knoxville faculty member to win a CAREER award from the National Science Foundation. DeSmidt's award for $409,931 over five years will allow him to study "Vibration-Based Active and Passive Damage Identification of Time-Varying Dynamical Systems with Applications to Rotating Structures."

He joins UT faculty **Bin Hu** and **Myong Jeong** (2007), **Gladys Alexandre-Jouline, Vijay Sekhar Chellaboina, John Ma, Hairong Qi,** and **Jayne Wu** (2005), **John Turner** and **Kurt Lamour** (Institute of Agriculture) (2004), **Joseph Majdalani** (UT Space Institute) and **Anthony English** (2003), and **Jae Park** (2002) as recent recipients of CAREER support.

Between 1995 and 2001, UT Knoxville faculty who have had CAREER awards include **Leon Tolbert, Samuel Gilman, Richard Wolski, Janice Musfeldt, James Plank, Mark Dadmun, Mark Jones,** and **Padma Raghavan,** according to NSF records.

. . . & other accomplishments

Barbara Dewey, dean of UT Libraries, presented "Transformational Reorganization at the University of Tennessee Libraries Rooted in Commons Development" at the Coalition for Networked Information Meeting in Minneapolis on 9 April. Dewey is the editor, with Loretta Parham, of *Achieving Diversity,* published in 2006 by Neal-Schuman.

Sergey Gavrilets, distinguished professor in ecology and evolutionary biology, has won a Guggenheim Fellowship for the study of "The social brain hypothesis: Coevolution of genes, memes, and social networks." He is one of only two Tennessee academics to win Guggenheim Fellowships for 2008.

Jack Dongarra, distinguished professor in computer science, has been awarded the Institute of Electrical and Electronics Engineers Medal of Excellence in Scalable Computing. This is the first time the IEEE has made this award.

BE ADVISED: The Office of Research is following four solicitations that have **submission limits** and may require **internal competitions.** If you are interested in submitting to these programs, please provide an informal statement of interest to Bill Dockery (dockeryb@utk.edu):

NSF Biological Research Collections
NSF Graduate Teaching Fellows in K-12 Education
NSF International Materials Institute
DOE Energy Frontier Research Centers

04/23/08

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For more information, contact **Bill Dockery** (dockeryb@utk.edu, 865-974-2187). Archived at https://web.utk.edu/~utkor/page.htm.