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Office of Research & Engagement

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University of Tennessee Office of Research

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Awards for June 16 - 30, 2011

NOTES: Because of cross-program anomalies, orthographic details may be inconsistent and some titles may be truncated. This data set was not distributed in a printed format, therefore no printable PDF version is available.

COLLEGE OF ARTS & SCIENCES

Investigator	Title	Sponsor	Amount
Bingham, Carrol	Matching Funds - UT/ORNL Joint Institute	UT-Battelle - ORNL	\$775,514
Cervone, Thomas; Alley, David	August Wilson's The Piano Lesson, A Celebration of African American Drama	City of Knoxville	\$2,500
Compton, Robert	Multiple-Bound Negative Ions	National Science Foundation	\$126,311
DeCorse, Elizabeth	Cultural Resources Survey of the Proposed US Nitrogen Factory Site, Greene County	Quantum Environmental Engineering Services, LLC	\$24,995
DeCorse, Elizabeth; Yerka, Stephen	Remote Sensing Survey of the Sander's Site (15LV24) on Kentucky Dam Reservation	Tennessee Valley Authority	\$3,843
Emery, Joshua	Accurate Insights on Multiple Asteroid Systems: Shape, Bulk Density and Formation	Search for Extraterrestrial Intelligence Institute	\$28,343
Emery, Joshua	Surface Characterizations of Icy Galilean Satellites	NASA - Headquarters Washington DC	\$68,794
Mays, Jimmy	Collaborative Research: Synthesis and Rheology of Strategically-Designed Long-Chain-Branched Polymers	University of Michigan	\$40,000
McSween, Harry	Mars Surveyor	Cornell University - Center for Radiophysics and Space Research	\$11,501
McSween, Harry	Meteorite Petrogenesis	NASA - Headquarters Washington DC	\$100,000
Perfect, Edmund	Neutron Imaging of Fluids in Rocks and Soils	UT-Battelle - ORNL	\$23,950
Peterson, Cynthia; Baudry, Jerome	High Performance Computing for Rational Drug Discovery and Design	UT-Battelle - ORNL	\$13,138
Reynolds, Todd	Regulation of Sliding Motility During Biofilm Formation in Fungi	National Science Foundation	\$168,743
Schilling, Edward	Digitization TCN, Collaborative Research: North American Lichens and Bryophytes	National Science Foundation	\$50,441
Sumrall, Colin	Collaborative Research: Assembling the Echinoderm Tree of Life	National Science Foundation	\$52,015

Taylor, Lawrence; Liu, Yang	Evolution of Crusts and Mantles of Planetary Bodies	NASA - Headquarters Washington DC	\$60,000
Zhu, Wenguang	Theory and Simulations of Nanoscale Materials	UT-Battelle - ORNL	\$35,305

COLLEGE OF BUSINESS ADMINISTRATION

Investigator	Title	Sponsor	Amount
Fox, William	TennCare Patient Satisfaction Survey	State of Tennessee	\$5,750
Fox, William	Cost Differential Factor for the BEP formula (CDF)	Tennessee Department of Education	\$26,386

COLLEGE OF COMMUNICATION AND INFORMATION

Investigator	Title	Sponsor	Amount
Cortez, Edwin; Allard, Suzanne	IMLS Planning Grant: LaSCALA-Latino Scholars Cambio Leadership Academy	Institute of Museum & Library-Office of Museum Services	\$22,194
Suttles, Barbara	Genome Management Information System - Information Specialist II	UT-Battelle - ORNL	\$20,000
Suttles, Barbara	Genome Management Information System/Communications and Management Expert	UT-Battelle - ORNL	\$20,000

COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES

Investigator	Title	Sponsor	Amount
Barber, Brian	The Impact of Political Conflict on Youth: Assessing Long-Term Well-Being via an Event History-Resource Model	Jacobs Foundation	\$850,000
Barber, Brian; McNeely, Clea	From Rally to Revolution: Analyzing the Transformations of Youth During the 2011	Jacobs Foundation	\$450,000
Bassett, David; Erwin, Paul; Fitzhugh, Eugene	Estimated Energy Expenditures for Built Environment Changes and Policy Intervention	San Diego State University Foundation	\$15,000
Benner, Susan	Newborn Hearing Program	State of Tennessee	\$181,000
Brewer, Ernest	Academic Enrichment Upward Bound	U.S. Department of Education	\$336,906
Ciancio, Dennis	TPRI & Tejas LEE Print, Distribution, and Development Project	University of Texas Houston Health Science Center	\$7,059
White, Connie	Tennessee Even Start Database Support, Training, and Technical Assistance	Tennessee Department of Education	\$230,000
Zhang, Songning	Performance Testing of Diamond Cleats	Pride Manufacturing LLC	\$14,913

COLLEGE OF ENGINEERING

Investigator	Title	Sponsor	Amount
Birdwell, John; Wang, Tse-Wei	Searchable Database	UNISYS Corporation c/o Accounts Payable	\$760,672
Blalock, Benjamin; Tolbert, Leon; Wang, Fei	High Temperature Silicon Carbide (SiC) Gate Driver - Phase 1 SBIR	Global Power Electronics	\$670

Bray, Larry	Other Beneficiaries Project, Part 2 for the Huntington District Corps of Engineers	DOD - Army Corp Of Engineers	\$50,000
Clarke, David	Cross-Walk Tables Assistance	UT-Battelle - ORNL	\$19,423
Daniel, Claus	Materials and Processing for Lithium Ion Batteries	UT-Battelle - ORNL	\$26,795
Dongarra, Jack	CSR: Medium: Collaborative Research: GridPac: A Resource Management System for Energy and Performance Optimization on Computational Grid	National Science Foundation	\$85,000
Dongarra, Jack	MCDA: Collaborative Research: A Multi-Element & Multi-Objective Optimization Approach for Allocating Tasks to Multi-Core Processors	Semiconductor Research Corporation	\$10,000
Dongarra, Jack	Matrix Algebra for GPU and Multicore Architectures (MAGMA) for Large Petascale	DOE - U.S. Department of Energy	\$150,000
Dongarra, Jack	Extending the Work of the International Exascale Software Project	National Science Foundation	\$99,820
Fu, Joshua	Air Pollution and Climate Modeling	U.S. Environmental Protection Agency	\$23,267
Gregor, Jens	Neutron Imaging Software	UT-Battelle - ORNL	\$28,647
Hall, Howard	Technical Support for the Development of Advanced Safeguards Measurement Capabilities	UT-Battelle - ORNL	\$28,656
Hayward, Jason	Radiation Detection Research and Development	UT-Battelle - ORNL	\$19,000
Huang, Baoshan; Shu, Xiang	Evaluation of Impact of Heavy Equipment Transport on Pavements Structure	Tennessee Department of Transportation	\$150,000
Huang, Jian; Ahern, Sean	Undergraduate Training at NSF Teragrid XD RDAV Center	National Science Foundation	\$28,120
Liaw, Peter	Study of Short Fatigue Crack Growth in AISI 9310 Splined Shaft, Phase II	VEXTEC Corporation	\$3,000
Mandrus, David	Crystal Growth and Neutron Scattering	UT-Battelle - ORNL	\$82,121
Mandrus, David	Correlated and Complex Materials	UT-Battelle - ORNL	\$18,144
Martin, Harry	SBAHG-10-G-001 - State of Tennessee FAST grant	University of Tennessee - Institute of Public Service	\$25,000
McHargue, Carl; Gussev, Maxim	Mechanical Properties of Nuclear Materials	UT-Battelle - ORNL	\$25,255
Poore, Jesse; Swain, William	SNS Analysis Software Architecture and Process Definition	UT-Battelle - ORNL	\$20,000
Rack, Philip	Gas Source Ion Beam Induced Processing	Zeiss, Inc.	\$70,404
Sawhney, Rapinder	A Partnership Between the University of Tennessee and ITESM Campus Aguascalientes	ITESM Campus Aguascalientes	\$68,868

Schwartz, John	Establishment of Functional Links between Sediment Conditions	USDA - Agricultural Research Service - Administrative Office	\$47,840
Wang, Xiaorui	III: Small: Collaborative Research: Making Databases Green - An Energy-Aware DBMS	National Science Foundation	\$58,050

COLLEGE OF SOCIAL WORK

Investigator	Title	Sponsor	Amount
Patterson, David	Homeless Management Information System (HMIS)	HUD - Office of Policy Develop & Research	\$1,000
Patterson, David	Salvation Army Matching Funds FY 2012	Salvation Army	\$2,000
Wodarski, John	The East Tennessee Assertive Adolescent Family Treatment Program	DHHS - Substance Abuse and Mental Health Services	\$299,079

CAMPUS CENTERS & INSTITUTES

Investigator	Title	Sponsor	Amount
Gangaware, Timothy	FY2011 WRRIP Application for TN Water Resources Center	U.S. Department of Interior - U.S. Geological Survey	\$44,317
Harrison, Robert	Petascale and Exascale Class of Platforms	UT-Battelle - ORNL	\$4,410
Harrison, Robert	Staker Develop Scalable Algorithms	UT-Battelle - ORNL	\$15,032
Pfiffner, Susan; Layton, Alice; Loeffler, Frank; Ritalahti, Kirsti; Saylor, Gary	Metaproteomics Identifies the Protein Machinery Involved in Metal and Radionucli	U.S. Department of Energy	\$315,975
Ripp, Steven	IDBR: The LuxArray Scanner: Surveying the Environment with Biomicroelectronic	National Science Foundation	\$10,313
Vishnivetskaya, Tatiana	Molecular Analyses for Nitrifiers in Ash/Soil Materials	Tennessee Valley Authority	\$10,542

OTHER

Investigator	Title	Sponsor	Amount
Briscoe, Connie; Barr, Victor; Mallinckrodt, Brent; Reilly, Daniel	VolAware Suicide Prevention Initiative - A Collaborative Approach to Addressing Mental Health	DHHS - Substance Abuse and Mental Health Services	\$99,999
Tsai, Peter	Design of Web Structure and Fiber Size Distribution for Air Filter Media	Tianjin Teda Company, LTD	\$75,000
Tsai, Peter	Improvement of the Melt Blown Properties to Enhance the Filter Quality	Grand Stone Co., Ltd.	\$25,000
Woods, Clifton	Agreement for Technical Support	Exxon Chemical Co.	\$56,000