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## AWARDS AND RECOGNITIONS

**AWARDS FOR DECEMBER 8–31, 2011**

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**INVESTIGATOR** | **TITLE** | **SPONSOR** | **AWARD**
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**COLLEGE OF ARCHITECTURE & DESIGN**

McRae, John | Spring 2012 Sponsored Studio: Design and Planning of Student and Faculty Housing | HaitiServe | $20,000

**COLLEGE OF ARTS & SCIENCES**

Becher, Paul; Hsu, Chuyun; Huang, Chun-Hway | Atomistically Informed Materials Design of Ultrahigh Temperature Ceramics | University of Houston | $68,392

Cyr, Howard | Physical and Chemical Analysis of Cultural Planting Features at Thomas Jefferson | The Corporation for Jefferson’s Poplar Forest | $1,328

Dimarco, Salvatore | Italian Lecturer Program | Italian Government | $13,301

Dollisager, Fredrick; Galloway, Leslie; Gross, Louis; Stewart, Debora | Risk Integration Support for FY 2012 WR63, Rev 000 | DOE - URS CH2M Oak Ridge LLC (UCOR) | $2,596

Efremenko, Yuri | Conceptual Design for the Majorana Demonstrator | UT-Battelle - ORNL | $10,299

Feigerle, Charles | High Performance CO2 Scrubbing Based on Hollow Fiber-Supported Designer Ionic | UT-Battelle - ORNL | $77,239

Hayes, Daniel | Diagnosis and Attribution of the Contemporary North American Terrestrial CO2 | NASA - Headquarters Washington DC | $105,171

Moersch, Jeffrey | Search for Aqueous Minerals with Mars Exploration Rover MiniTES Experiment | NASA -Jet Propulsion Laboratory | $25,000

Petersen, Ronald; Hughes, Karen; O'Meara, Brian | Historical Naming Traditions and Cryptic Speciation Bias Biodiversity Estimates | NSF - National Science Foundation | $141,143

Proser, Rebecca | Novel Pharmacology Studies on the Suprachiasmatic Nucleus | Orphagen Pharmaceuticals | $16,800

Roberts, Daniel; Peterson, Cynthia | VSEE-Dan Roberts | NSF - National Science Foundation | $24,407


Vonarnim, Albrecht | Radiation Research Society Journal Editor | Radiation Research Society | $21,300

Weitering, Hann | Investigations of Hydrogen Storage in Metallic Thin Films | UT-Battelle - ORNL | $22,730

Weitering, Hann | Exploration of Quantum Size Effects in Ultrathin Magnesium Films for Hydrogen | UT-Battelle - ORNL | $9,785

Weitering, Hann | Exploration of Quantum Size Effects in Ultrathin Ruthenium Films for Surface | UT-Battelle - ORNL | $9,785

**COLLEGE OF BUSINESS ADMINISTRATION**

Moore, John | Construction Industry Information and Construction Inspections - OSHA | US Dept. of Labor | $254,460

**COLLEGE OF COMMUNICATION & INFORMATION**

Allard, Suzanne; Normore, Lorraine; Tenopir, Carol; Wilson, Bruce | DataNetONE (Observation Network for Earth) | University of New Mexico | $603,598

Suttles, Barbara | Genome Management Information System | UT-Battelle - ORNL | $46,000

Suttles, Barbara | Genome Management Information System | UT-Battelle - ORNL | $58,000

Suttles, Barbara | Technical Support to the Computational Data Analytics | UT-Battelle - ORNL | $65,000

**COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES**

Erwin, Paul; Hamilton, Charles | Public Health Training Center | DHHS - Health Resources and Services Administration | $25,000

Kolovitz, Marcia | Postsecondary Education Center for Individuals who are Deaf | California State University Northridge | $153,775

Moore Partin, Tara | Connections for Education Outreach | TN Department of Education - Training & Professional Dev. | $105,132

Raynor, Hollie | Increasing Sleep Duration: A Novel Approach to Weight Control | Miriam Hospital | $8,101

White, Connie | Tennessee Even Start Database Support, Training, and Technical Assistance | TN Department of Education | $200,000

Wolfers, Kimberly; Stephenson, Brenda | Write On! Strategic and Interactive Writing Instruction (SIWI) Professional Development at WTSD | TN Department of Education | $6,618

**COLLEGE OF ENGINEERING**

Bosilca, George | An Adaptive End-to-End Approach for Terabit Data Movement Optimization | DOE - Office of Science | $150,000

Dhingra, Rajeev; Sawhney, Rapinder | Life Cycle Data for Next Generation Materials in the Industrial Sector | UT-Battelle - ORNL | $3,591

Drake, John; Fu, Joshua | Chemistry in CESM-SE: Evaluation, Performance and Optimization | University Corporation For Atmospheric Research | $50,243

INVESTIGATOR | TITLE | SPONSOR | AWARD
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Hollemann, Jeremiah; Are, Iltamar | Scalable Low-Power Machine Learning Using Analog Computation | Intelligence-Advanced Research Projects Activity | $311,319
Huang, Baoshan, Shu, Xiang | Laboratory Evaluation of Bored Pile Durability under Sulfate and Chloride Attack | Hebei Institute of Construction and Geotechnical Investigation | $100,001
Joy, David; Rack, Philip | Focused Helium Ion Beam Induced Synthesis for Repair, Metrology Sample Preparation | Semicore Research Corporation | $74,743
McAuliffe, Carl; Dou, Peng | Advanced Nuclear Materials and Fuels | UT-Battelle - ORNL | $14,907
Mench, Matthew | Transport Studies Enabling Efficiency Optimization of Cost-Competitive Fuel Cell | Pennsylvania State University | $110,266
Mench, Matthew | Whole-Cell Modeling and Integrated Experimentation of Bioelectrochemical Systems | Pennsylvania State University | $47,621
Penumadu, Dayakar | Effect of Sea Environment on Sandwich Layups | DOD - Department of the Navy | $125,000
Penumadu, Dayakar | Effect of Sea Environment on Sandwich Layups | DOD - Department of the Navy | $40,000
Rack, Philip; Melcher, Charles | Task Objectives for High-Resolution and High-Energy Scintillator Research | BWXT Y-12, LLC | $101,143
Ruggles, Arthur | HFIR LEU Flow Blockage Consequence Assessment Updates | UT-Battelle - ORNL | $57,641
Sawhney, Rapinder; Clarke, David | AGC’s Supply Chain Configuration Design, Phase I | AGC Glass Company North America | $35,000
Townsend, Lawrence | Lunar Reconnaissance Orbiter Measurement Investigation Science Mission Phase | University of New Hampshire | $74,975
Upadhyaya, Belle | Data Processing and Statistical Analysis of the Blend-Down Monitoring System (BOMS) | UT-Battelle - ORNL | $10,000
Wang, Xiaorui | Enforcing Timing and Power/Thermal Constraints for Mission-Critical Real-Time Embedded Systems | DOD - Department of the Navy | $15,000
Weber, William; Wirth, Brian; Zhang, Yanwen | Multipurpose Target Chamber for High-Temperature Ion Irradiation | DOE - US Dept. of Energy | $249,994
Wirth, Brian; Xu, Donghua | Investigating the Behavior of Radiation Tolerant Nanoscale Interfaces | Pacific Northwest Laboratory (AS400) | $77,000

COLLEGE OF SOCIAL WORK
Campbell, Paul; Cunningham, Maryanne | City of Oak Ridge Telephone Survey | City of Oak Ridge | $8,050
Patterson, David | 2011 City of Knoxville Community Development Block Grant | City of Knoxville Community Development Division | $10,000

CAMPUS CENTERS & INSTITUTES
Sayler, Gary; Cox, Chris; Joulina, Igor; Smith, Jeremy; Stewart, Charles | Cellulosic Biomass Deconstruction, Characterization and Modeling | UT-Battelle - ORNL | $300,000

OTHER
Paciello, Jillian; Smiley, Emily | Safe-T Begins with Me: Educating the University of Tennessee Community | TN Dept. of Transportation-Governor’s Highway Safety | $2,811
Woods, Clifton | Agreement for Technical Support | Exxon Chemical Co. | $56,000

RECOGNITIONS
Jerome Baudry, assistant professor in biochemistry, cellular, and molecular biology, and post-doc Yinglong Miao, have received publicity for computer simulations they did on the way water molecules move in a class of enzymes called R450.

Ben Xue, professor of chemistry, recently edited the December issue of Science China Chemistry on the International Year of Chemistry. Xue was appointed associate editor for the periodical last year. David Jenkins, assistant professor of chemistry, contributed questions to an interview of Nobel laureate Robert Grubbs that was included in the issue.

Irene Abia, who received her PhD in chemistry in December 2011 has been named to the Younger Chemists Committee of the American Chemical Society. Abia, a native of Cameroon, was mentored by David Baker, professor in UT’s chemistry department. She has taken a teaching assistant professorship of chemistry at the University of Mississippi.

Alan Cramer, third-year graduate student in the research group of David Jenkins, assistant professor of chemistry, has published a paper on synthesis of aziridines in the Journal of the American Chemical Society. Jenkins is coauthor on the paper. Psychology graduate student Kevin Zabel has received a dissertation research scholarship of $1,000 from the American Psychological Foundation/Council of Graduate Departments of Psychology. Zabel works with Michael Olson, associate professor of psychology.