Office of Research, Awards & Recognition, July 03, 2012

University of Tennessee Office of Research

Follow this and additional works at: http://trace.tennessee.edu/utk_researchawards

Recommended Citation
http://trace.tennessee.edu/utk_researchawards/84

This Newsletter is brought to you for free and open access by the Office of Research & Engagement at Trace: Tennessee Research and Creative Exchange. It has been accepted for inclusion in Awards and Recognitions by an authorized administrator of Trace: Tennessee Research and Creative Exchange. For more information, please contact trace@utk.edu.
## AWARDS AND RECOGNITIONS

**AWARDS FOR JUNE 2–22, 2012**

### INVESTIGATOR | TITLE | SPONSOR | AWARD
--- | --- | --- | ---
**COllege of arts & SCIenCeS**
Breinig, Marianne | Science of the Plasma-Materials Interface at Extreme Conditions | DOE - UT-Battelle - ORNL | $4,463
Breinig, Marianne | Studies of Optical Phase Response of Materials | DOE - UT-Battelle - ORNL | $2,000
Camden, Jon | Surface Enhanced Raman Spectroscopy | Eastman Chemical Co. | $1,500
Cyr, Howard | Geochemical Analysis of Ornamental Tree Clumps and Oval Flower Beds | The Corporation for Jefferson's Poplar Forest | $6,741
DeCorse, Elizabeth | Archival Research of Small Pox Hospital and Cemetery and Mapping | City of Knoxville | $8,403
Guidry, Michael | Neutron Image Modeling | DOE - UT-Battelle - ORNL | $13,535
Hollenbach, Kandace | Archaeological Subsistence Analysis, WR Oxford Project, Calhoun County, Alabama. | Spectrum Environmental Services, Inc. | $18,081
Hughes, Karen; Petersen, Ronald | Digitization TCN: Collaborative: The Macrofungi Collections Consortium | New York Botanical Garden | $46,548
Kabalka, George | Synthesis of uV Active Blood Flow Agents | DOE - UT-Battelle - ORNL | $130,354
Kabalka, George | Organic Dyes - 900 nm Project | DOE - UT-Battelle - ORNL | $9,245
Loeffler, Frank; Ritalahi, Kesli | Towards Predictive Understanding of Nitrogen Flux in Soils | DOE - US Dept. of Energy | $477,724
Mays, Jimmy | Collaborative Research: Synthesis and Rheology of Strategically-Designed Long-Chain-Branched Polymers | University of Michigan | $40,000
McCracken, Gary; Simberloff, Daniel | Effects of Invasive Goats on the Pacific Sheath-Tailed Bat | Bat Conservation International | $3,500
McSween, Harry | THEMIS Science Team Member for Mars Odyssey Spacecraft | Arizona State University | $60,000
Moreo, Adriana; Dagotto, Elbio | Computational Studies of Model Hamiltonians for Pnictides and Multiferroic | National Science Foundation | $140,000
Nicoara, Remus | The Tenth East Coast Operator Algebras Symposium | National Science Foundation | $26,080
Podar, Mircea; Dagotto, Elbio | Computational Studies of Model Hamiltonians for Pnictides and Multiferroic | National Science Foundation | $140,000
Sorensen, Soren; Read, Kenneth | Studies of Hot and Dense Nuclear Matter | US Department of Energy | $310,000
**COllege of COMMuniCatiOn and inFOrmatiOn**
Fitchpatrick, Steven | Scientific Presentations Workshop | DOE - UT-Battelle - ORNL | $18,899
Suttles, Barbara | Support for Computational Science and Engineering Division | DOE - UT-Battelle - ORNL | $268,718
Suttles, Barbara | Support for Computational Science and Engineering Division | DOE - UT-Battelle - ORNL | $32,960
**COllege of eduCatiOn, HealtH & HuMan SCIenCes**
Hillyer, Sarah; Huffman, Ashleigh | Mission Possible: Empowering Women and Girls Through Sport | U.S. Department of State | $1,203,000
Raynor, Hollie | Enhancing Sleep Duration: Effects on Children’s Eating and Activity Behaviors | Miriam Hospital | $11,409
Skolits, Gary; Robinson, Stephanie | The Tennessee College Access and Success Network Evaluation | Tennessee College Access and Success Network | $15,000
**COllege of enGIneeriNG**
Dongarra, Jack | Matrix Algebra for GPU and Multicore Architectures (MAGMA) for Large Petascale | US Department of Energy | $150,000
Han, Lee | Transportation Security and Energy Efficiency Research Support | DOE - UT-Battelle - ORNL | $10,805
He, Qiang | Functional Analysis of Biofilms in Premise Plumbing | National Science Foundation | $2,000
He, Qiang | Water Sampling of Microbial Populations in Catfish Ponds at Mississippi Delta | Mississippi State University College of Vet Medicine | $5,000
Holleman, Jeremiah; McCracken, Gary | IDBR: Bat-Mounted Recording and Wireless Transmission of Ultrasonic Calls | National Science Foundation | $397,103
Hu, Bin | Magneto-Optical Studies of Charge Dissociation, Transport, and Collection | National Science Foundation | $6,000
Hu, Bin | Electromagnetic Responses and Thermoelectric Devices | UES, Inc. | $25,000
Irick, David; Madhukar, Madhu | ITER Magnet Systems Development | DOE - UT-Battelle - ORNL | $3,510
Keffer, David; Bruce, Barry; Fymier, Paul; Khomami, Bamin; Raw, Claudia | IGERT: STAIR - Sustainability Through Advanced Interdisciplinary Research | National Science Foundation | $591,264
### AWARDS FOR JUNE 2–22, 2012 (CONT.)

<table>
<thead>
<tr>
<th>INVESTIGATOR</th>
<th>TITLE</th>
<th>SPONSOR</th>
<th>AWARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mandrus, David</td>
<td>Studies of Correlated Electron Materials</td>
<td>DOE - UT-Battelle - ORNL</td>
<td>$4,470</td>
</tr>
<tr>
<td>Nguyen, Ke</td>
<td>Engine Friction</td>
<td>DOE - UT-Battelle - ORNL</td>
<td>$8,709</td>
</tr>
<tr>
<td>Rack, Philip</td>
<td>Molecular Scale Engineering and Nanoscale Technologies</td>
<td>DOE - UT-Battelle - ORNL</td>
<td>$10,000</td>
</tr>
<tr>
<td>Tolbert, Leon</td>
<td>Power Electronics Evaluation for DER and T &amp; D</td>
<td>DOE - UT-Battelle - ORNL</td>
<td>$45,359</td>
</tr>
<tr>
<td>Tolbert, Leon</td>
<td>Load Participation in Ancillary Services</td>
<td>DOE - UT-Battelle - ORNL</td>
<td>$18,832</td>
</tr>
<tr>
<td>Townsend, Lawrence</td>
<td>Lunar Reconnaissance Orbiter Measurement Investigation Science Mission Phase</td>
<td>University of New Hampshire</td>
<td>$58,430</td>
</tr>
<tr>
<td>Weber, William; Sickafus, Kurt, Zhang, Yanwen</td>
<td>Radiation and Thermal Effects on Used Nuclear Fuel and Nuclear Waste Forms</td>
<td>Battelle Energy Alliance, LLC</td>
<td>$770,000</td>
</tr>
<tr>
<td>Wirth, Brian</td>
<td>A Multiscale Investigation of the Mechanisms Controlling Materials Degradation</td>
<td>US Department of Energy - Office of Science</td>
<td>$175,000</td>
</tr>
<tr>
<td>Zhang, Mingun</td>
<td>Ivy Adhesive Nanoparticles for Bio-Medical Applications</td>
<td>National Science Foundation</td>
<td>$2,000</td>
</tr>
<tr>
<td>Zhang, Mingun; Bewick, Sharon</td>
<td>Mechanics of the Adhesive Properties of Ivy Nanoparticles</td>
<td>DOD - Department of the Army</td>
<td>$108,158</td>
</tr>
<tr>
<td>Zhang, Yanwen; Weber, William</td>
<td>Better Radiation Response and Accident Tolerance of Nanostructured Ceramic Fuel</td>
<td>Battelle Energy Alliance, LLC</td>
<td>$915,000</td>
</tr>
</tbody>
</table>

### COLLEGE OF SOCIAL WORK

<table>
<thead>
<tr>
<th>INVESTIGATOR</th>
<th>TITLE</th>
<th>SPONSOR</th>
<th>AWARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glisson, C.; Cheatham, J.; Dukes, D.; Green, P.; Hemmelgarn, A.</td>
<td>Testing an Organizational Implementation Strategy in Children’s Mental Health</td>
<td>NIH - National Institute of Mental Health</td>
<td>$585,282</td>
</tr>
</tbody>
</table>

### CAMPUS CENTERS & INSTITUTES

<table>
<thead>
<tr>
<th>INVESTIGATOR</th>
<th>TITLE</th>
<th>SPONSOR</th>
<th>AWARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harrison, Robert</td>
<td>Miller Single Mode Fibers</td>
<td>DOE - UT-Battelle - ORNL</td>
<td>$10,433</td>
</tr>
<tr>
<td>Harrison, Robert</td>
<td>Statistical Methodologies Pertaining to Human Health</td>
<td>DOE - UT-Battelle - ORNL</td>
<td>$4,441</td>
</tr>
<tr>
<td>Harrison, Robert</td>
<td>RAMS 2012</td>
<td>DOE - UT-Battelle - ORNL</td>
<td>$100,516</td>
</tr>
<tr>
<td>Harrison, Robert</td>
<td>Climate Change Strategy</td>
<td>DOE - UT-Battelle - ORNL</td>
<td>$38,296</td>
</tr>
</tbody>
</table>

### Nominate a Scholar of the Week

The UT Office of Research presents the Scholar of the Week award to faculty members, graduate students, and undergraduates in recognition of significant research, scholarship, and creative accomplishments.

**Faculty Eligibility**

Faculty scholars can be nominated only by deans, department heads, or other faculty members. They must be recognized by peers as independent, original, and substantive researchers in one of the following areas:

- Publication of original research in rigorously refereed major journals
- A major exhibit or performance at a national or international venue
- A record of national grant or fellowship support awarded through peer review
- National or international prizes or awards
- Invitation to hold endowed lectureships
- Invited lectures, particularly at major scholarly meetings

**Student Eligibility**

Student scholars may be nominated by deans, department heads, faculty, or other students who have validating information. They must be recognized by peers as independent and original researchers in one of the following areas:

- Publication of original research in refereed journals
- A major exhibit or performance at a national or international venue
- A record of national fellowship support
- National or international prizes or awards
- Other significant scholarly achievement recommended by the faculty mentor

Contact: Alan Rutenberg (arutenberg@utk.edu)

Visit quest.utk.edu/scholar-of-the-week for details.

### RECOGNITIONS

**Katharine Barnett**, instructor in English, has been awarded an American Council of Learned Societies Mellon Dissertation Completion award to work on “The Dixie Plantation State: Antebellum Fiction and Global Capitalism.”

**Cindy Davis**, associate professor in the College of Social Work, has been named a senior Fulbright specialist. She will spend a month in at two institutions on the island of Borneo presenting lectures and workshops on women’s health, refugee issues, and related topics.

**Kivanc Eckici**, assistant professor in mechanical, aerospace, and biomedical engineering, is a corecipient of the John P. Davis Award for best paper of the year from the American Society of Mechanical Engineers’ International Gas Turbine Institute. Eckici and coauthors received the honor for the paper, “Nonlinear Flutter in Fan Stator Vanes with Time Dependent Fixity” at the 2012 Turbo Expo in Copenhagen.

**Annette Engel**, associate professor of earth and planetary sciences, has been elected a fellow of the Geological Society of America.

**David Wolitz**, professor in the College of Law, recently moderated a panel on international and comparative criminal law at the American Society of Comparative Law’s “New Perspectives in Comparative Law” conference in Washington, D.C.

Don’t be too modest! Let us brag on your behalf.

The UT Office of Research is looking for news of honors, offices, notable presentations, and other recognitions that you or your colleagues may get during the summer months. Please share any positive news with Bill Dockery (dockeryb@utk.edu) for publication in the Awards & Recognitions newsletter.

---

The University of Tennessee, Knoxville, is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution. Awards & Recognition is published on alternate weeks for the faculty of UT Knoxville by the Office of Research with assistance from UT Creative Communications. Job #5003

For submissions or information, contact Bill Dockery by e-mail at dockeryb@utk.edu or call 865-974-2187. Archived online at http://research.utk.edu/news.