4-22-2009

Office of Research, News & Opportunities, April 22, 2009

University of Tennessee Office of Research

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

Recommended Citation
http://trace.tennessee.edu/utk_researchnews/20

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 News and Opportunities by an authorized administrator of Trace: Tennessee Research and Creative Exchange. For more information, please contact trace@utk.edu.
UTK invention disclosures for March

A representative from the Fulbright Scholars program will meet with interested faculty to discuss Fulbright opportunities on Tuesday, 28 April. The meeting is set for 3 p.m. to 5 p.m. in Room 401 of the Haslam Building.

The representative, Andrew Riess, will consult individually on Wednesday, 29 April, with faculty who have made an appointment at the Tuesday afternoon meeting. The individual meetings will be scheduled between 8 a.m. and noon.

Faculty planning to attend on Tuesday should RSVP to Alan Rutenberg (arutenberg@utk.edu, 974-8686) by Friday, 24 April. Rutenberg and Pia Wood, associate provost in the Center for International Education, are the UT Knoxville representatives for Fulbright programs.

ITC seeking two faculty fellows

The Innovative Technology Center is inviting faculty to apply for two ITC Faculty Fellowships. ITC Faculty Fellows will assist the center in advancing exemplary teaching and student experiences by supporting the appropriate use of technology within UT’s learning communities.

The fellows chosen will become a liaison with their colleagues on instructional technology issues. The fellows will receive a one-course release for fall and spring semesters. Interested faculty should apply to (http://itc.utk.edu) no later than Monday, 27 April 09. Details: (http://itc.utk.edu/events/fellow.shtml)

Record undergrad research internships awarded

The UT Office of Research has awarded 77 undergraduate summer research internships, more than three times the 25 internships typically awarded in the past. The internships, worth $2,000 each, promote research and creative activity among undergraduates, under the supervision of faculty mentors.

Twenty-five summer graduate fellowships were awarded in a parallel program. The funding comes from the Office of the UT Knoxville Chancellor.

Details: (http://research.utk.edu/internships/.utk-winners_09.html)

UTK invention disclosures for March

1. A method and apparatus for the direct quantification of the quorum sensing signal, autoinducer-2. Shawn R. Campagna, Radiation safety training timeline

2. Radiation safety training timeline

ULTRA Inclusiveness Index: Change 1 Initial training for Use of radioactive Materials: Average Time 4 hours

New PI application and Award process. Average time from start to finish 2 weeks

Radiation Safety Compliance Activities FY 2009

<table>
<thead>
<tr>
<th>Compliance Activities</th>
<th>Made by the Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Qtr: 08-09</td>
<td>2nd Qtr: 08-09</td>
</tr>
<tr>
<td>3rd Qtr: 09-09</td>
<td></td>
</tr>
</tbody>
</table>

UTK second in terms of total Kraken use

Researchers at UT Knoxville are high on the list of primary users for the National Science Foundation’s Kraken computer.

UT Knoxville ranked second, behind the Georgia Institute of Technology, in total usage in the eight months that Kraken has been in operation. UT had more than 20 million hours allocated for usage and has used 15 million. Other academic institutions with high usage included Georgia Tech (22.5 million), the University of Kentucky (11.4 million) and the University of Florida (8.7 million).

Kraken, billed as the world’s fastest academic supercomputer, is devoted only to scientific and other academic research projects. The figures are taken from a report of the National Institute for Computational Sciences (NICS), which covers August 2008 through March 2009.

Five UT researchers have been heavy users: Bronson Messer, in astronomical sciences, Bamir Khomami in materials research, Jeremy Smith in molecular biosciences, David Kefler in materials research and Mario Stoitsov in physics.

"It is notable that UT is showing up as a primary user of Kraken," said Brad Fenwick, UTK vice chancellor for research. "As managers of the NSF computer, we are allotted a fraction of time on the machine, but UT researchers have seized the opportunity to use this world-class resource."

The Innovative Technology Center is inviting faculty to apply for two ITC Faculty Fellowships. ITC Faculty Fellows will assist the center in advancing exemplary teaching and student experiences by supporting the appropriate use of technology within UT’s learning communities.

The fellows chosen will become a liaison with their colleagues on instructional technology issues. The fellows will receive a one-course release for fall and spring semesters. Interested faculty should apply to (http://itc.utk.edu) no later than Monday, 27 April 09. Details: (http://itc.utk.edu/events/fellow.shtml)

Record internships awarded in a parallel program. The internships, worth $2,000 each, promote research and creative activity among undergraduates, under the supervision of faculty mentors.

Twenty-five summer graduate fellowships were awarded in a parallel program. The funding comes from the Office of the UT Knoxville Chancellor.

Details: (http://research.utk.edu/internships/utk-winners_09.html)

UTK invention disclosures for March


UTK invention disclosures for March


Radiation safety training timeline

Initial training for Use of radioactive Materials: Average Time 4 hours

New PI application and Award process. Average time from start to finish 2 weeks

Radiation Safety Compliance Activities FY 2009

<table>
<thead>
<tr>
<th>Compliance Activities</th>
<th>Made by the Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Qtr: 08-09</td>
<td>2nd Qtr: 08-09</td>
</tr>
<tr>
<td>3rd Qtr: 09-09</td>
<td></td>
</tr>
</tbody>
</table>

UTK second in terms of total Kraken use

Researchers at UT Knoxville are high on the list of primary users for the National Science Foundation’s Kraken computer.

UT Knoxville ranked second, behind the Georgia Institute of Technology, in total usage in the eight months that Kraken has been in operation. UT had more than 20 million hours allocated for usage and has used 15 million. Other academic institutions with high usage included Georgia Tech (22.5 million), the University of Kentucky (11.4 million) and the University of Florida (8.7 million).

Kraken, billed as the world’s fastest academic supercomputer, is devoted only to scientific and other academic research projects. The figures are taken from a report of the National Institute for Computational Sciences (NICS), which covers August 2008 through March 2009.

Five UT researchers have been heavy users: Bronson Messer, in astronomical sciences, Bamir Khomami in materials research, Jeremy Smith in molecular biosciences, David Kefler in materials research and Mario Stoitsov in physics.

"It is notable that UT is showing up as a primary user of Kraken," said Brad Fenwick, UTK vice chancellor for research. "As managers of the NSF computer, we are allotted a fraction of time on the machine, but UT researchers have seized the opportunity to use this world-class resource."

The Innovative Technology Center is inviting faculty to apply for two ITC Faculty Fellowships. ITC Faculty Fellows will assist the center in advancing exemplary teaching and student experiences by supporting the appropriate use of technology within UT’s learning communities.

The fellows chosen will become a liaison with their colleagues on instructional technology issues. The fellows will receive a one-course release for fall and spring semesters. Interested faculty should apply to (http://itc.utk.edu) no later than Monday, 27 April 09. Details: (http://itc.utk.edu/events/fellow.shtml)

Record internships awarded in a parallel program. The internships, worth $2,000 each, promote research and creative activity among undergraduates, under the supervision of faculty mentors.

Twenty-five summer graduate fellowships were awarded in a parallel program. The funding comes from the Office of the UT Knoxville Chancellor.

Details: (http://research.utk.edu/internships/utk-winners_09.html)

UTK invention disclosures for March


UTK invention disclosures for March


Radiation safety training timeline

Initial training for Use of radioactive Materials: Average Time 4 hours

New PI application and Award process. Average time from start to finish 2 weeks

Radiation Safety Compliance Activities FY 2009

<table>
<thead>
<tr>
<th>Compliance Activities</th>
<th>Made by the Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Qtr: 08-09</td>
<td>2nd Qtr: 08-09</td>
</tr>
<tr>
<td>3rd Qtr: 09-09</td>
<td></td>
</tr>
</tbody>
</table>

UTK second in terms of total Kraken use

Researchers at UT Knoxville are high on the list of primary users for the National Science Foundation’s Kraken computer.

UT Knoxville ranked second, behind the Georgia Institute of Technology, in total usage in the eight months that Kraken has been in operation. UT had more than 20 million hours allocated for usage and has used 15 million. Other academic institutions with high usage included Georgia Tech (22.5 million), the University of Kentucky (11.4 million) and the University of Florida (8.7 million).

Kraken, billed as the world’s fastest academic supercomputer, is devoted only to scientific and other academic research projects. The figures are taken from a report of the National Institute for Computational Sciences (NICS), which covers August 2008 through March 2009.

Five UT researchers have been heavy users: Bronson Messer, in astronomical sciences, Bamir Khomami in materials research, Jeremy Smith in molecular biosciences, David Kefler in materials research and Mario Stoitsov in physics.

"It is notable that UT is showing up as a primary user of Kraken," said Brad Fenwick, UTK vice chancellor for research. "As managers of the NSF computer, we are allotted a fraction of time on the machine, but UT researchers have seized the opportunity to use this world-class resource."

The Innovative Technology Center is inviting faculty to apply for two ITC Faculty Fellowships. ITC Faculty Fellows will assist the center in advancing exemplary teaching and student experiences by supporting the appropriate use of technology within UT’s learning communities.

The fellows chosen will become a liaison with their colleagues on instructional technology issues. The fellows will receive a one-course release for fall and spring semesters. Interested faculty should apply to (http://itc.utk.edu) no later than Monday, 27 April 09. Details: (http://itc.utk.edu/events/fellow.shtml)

Record internships awarded in a parallel program. The internships, worth $2,000 each, promote research and creative activity among undergraduates, under the supervision of faculty mentors.

Twenty-five summer graduate fellowships were awarded in a parallel program. The funding comes from the Office of the UT Knoxville Chancellor.

Details: (http://research.utk.edu/internships/utk-winners_09.html)

UTK invention disclosures for March


UTK invention disclosures for March

The Beckman Young Investigators Program

The Arnold and Mabel Beckman Foundation is soliciting applications for the Beckman Young Investigators Awards. The award is open to researchers with tenure-track appointments in the chemical and life sciences who have not completed more than three full years in their appointment. Proposals must show promise of contributing to significant advances in the chemical and life sciences. Projects are typically funded for three years at a total of $300,000.

LIMITED SUBMISSION: Only two applications are allowed from the University of Tennessee. Interested UT faculty must submit an internal statement of intent to Jimrissuli@utk.edu.

Deadline: Internal statement of intent, 31 July 09; agency deadline, 1 October 09.
Details: http://www.beckman-foundation.com/byi_guides.html

NIH Economic Studies of Health Insurance Coverage on Drug Abuse Treatment Availability, Access, Costs, and Quality

This National Institutes of Health R01 study solicits rigorous, theory-driven research on the effects of recent legislative and regulatory changes affecting insurance coverage for drug abuse treatment services. The objective of this program is to generate scientific knowledge based on research applying theoretical and advanced empirical methods but both examine the effects of recent changes in law and regulation and to elucidate causal relationships between insurance benefit design and drug abuse treatment services and their access, availability, use, quality, costs, efficiency, and outcomes. The award is up to $500,000 a year over a five-year period, and the agency expects to fund as many as five proposals.

Deadline: Agency due date, 14 July 09.
Details: http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-004.html#KeyDates

Recovery Act Limited Competition for NIH Grants: Research & Research Infrastructure "Grand Opportunities" (RC2)

The National Institutes of Health is soliciting proposals for its Grand Opportunities (GO) program, which supports projects that address large, specific, biobehavioral and biobehavioral research that will benefit from significant two-year funds without the expectation of continued NIH funding beyond that period. Projects should have a high short-term impact and a high likelihood of enabling growth and investment in biomedical R&D, public health, and health-care delivery.

Deadlines: Letter of intent to agency, 27 April 09; agency deadline, 27 May 09.

NIOSH Career Development Grants in Occupational Safety and Health Research (K01)

The National Institute for Occupational Safety and Health invites proposals for research-career development related to occupational safety and health. The goal is to support research that will have an impact in reducing occupational disease and injury and to help ensure the availability of highly trained scientists in the field.

Deadline: Three times a year; see solicitation.
Details: http://grants.nih.gov/grants/guide/pa-files/PA-08-070.html

NIH Exploratory Centers of Excellence (P20)

The NIH National Center on Minority Health and Health Disparities is soliciting proposals to establish a Exploratory Center of Excellence to contribute either to improving minority health, to eliminating health disparities, or both. Each center must have a core in administration, research, research/training education, and community engagement.

Deadline: Letter of Intent, 10 May 09; agency deadline, 19 June 09.
Details: http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-09-005.html

Living Stock Collections for Biological Research (LSCBR)

The NSF is supporting improvements in a partial operations of existing collections of living organisms, including viruses and bacteriophages, to be used in basic biological research. The program supports both short- and long-term improvements in existing collections of significance to the NSF research community.

Deadline: Proposal to NSF, 15 July 09.

COMING SOON: DOE plans solicitation on information and communication facility energy efficiency

The Department of Energy's Golden Field Office intends to issue, on behalf of the DOE Office of Energy Efficiency and Renewable Energy (EERE), Industrial Technologies Program (ITP), a Funding Opportunity Announcement (FOA) entitled "Information and Communication Facility Energy Efficiency." The two areas of interest are (a) information and communication facility energy efficiency and (b) demonstration and field testing of highly energy-efficient and pre-commercial technologies in data center or telecommunication facilities. The solicitation was scheduled to appear in March 09 and is expected soon.

Details: http://e-center doe.gov/doclib/nief/nief0806c63b6/0b37b7285c6df27f1195f6799006d947eOpenDocument

RECOVERY ACT LIMITED COMPETITION: Supporting New Faculty Recruitment to Enhance Research Resources through Biomedical Research Core Centers (P30)

The NIH invites proposals that support the hiring of new faculty for Biomedical Core Centers, which are defined as communities of multidisciplinary researchers focusing on areas of biomedical research relevant to the NIH. The institutional awards will provide funding to hire, provide appropriate start-up packages, and develop pilot research projects for newly independent investigators, with the goal of augmenting and expanding the institutions' communities of multidisciplinary researchers.

LIMITED SUBMISSIONS: The number of proposals to many of the Institutes are limited. For quick information, see the breakdown below. For details and contacts, see http://grants.nih.gov/grants/guide/contacts.html#P30.

Deadline: NIH letter of intent, 29 April 09; agency deadline, 29 May 09.
Details: http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-09-005.html. Please contact Jim Lloyd (jimlloyd@utk.edu) with any questions.

National Cancer Institute, broad institutional eligibility, limited to one proposal per institution, as many as 10 awards possible.

National Heart, Lung and Blood Institute, major components of institutions, one proposal per institution, 20 awards possible.

National Institute on Aging, broad institutional eligibility, one proposal per center or school per institution, as many as 5 awards possible.

National Institute on Alcohol Abuse and Alcoholism, major components of institutions, one proposal per academic unit, as many as 10 awards possible.

National Institute of Arthritis and Musculoskeletal and Skin Diseases, as many as two proposals from an institution or school, as many as 4 awards possible.

National Institute of Biomedical Imaging and Bioengineering, all U.S. training institutions eligible, only one proposal per institution, as many as 4 awards possible.

National Institute on Deafness and Other Communication Disorders, only one proposal from each school within a university, as many as 7 awards possible.

National Institute of Dental and Craniofacial Research, U.S. Dental Training Institutions, only one per institution, as many as 7 awards possible.

National Institute of Drug Abuse, broad institutional eligibility, only one proposal per institution, as many as five awards possible.

National Institute of General Medical Sciences, no limitations listed, 20 awards possible.

National Institute of Mental Health, broad institutional eligibility, only one clinician-scientist and only one nonclinical tenure-track faculty, as many as 6 awards possible.

National Institute of Neurological Disorders and Stroke, no more than two proposals per institution, as many as 13 awards possible.

National Institute of Nursing Research, U.S. schools of nursing, only one proposal per institution, as many as 3 awards possible.

National Center for Complementary and Alternative Medicine, only academic institutions with active Integrative Medicine or Complementary and Alternative Medicine research programs eligible, only one proposal per institution, as many as 3 awards possible.

The University of Tennessee, Knoxville, is an EEO/AA/Title V/Title IX/Section 504/ADA/ADEA institution. QUEST News & Opportunities is published on alternate weeks for the faculty of UT Knoxville by the Office of Research with assistance from Creative Communications. Job #3195
Contact: Bill Dockery, dockeryb@utk.edu. 865-974-2187. Archived at http://research.utk.edu/news