

July 5, 2011

## ALUMNI NEWS



EAS Alumnus, Dr. Budhendra Bhaduri of the Department of Energy's Oak Ridge National Laboratory has been named a UT-Batelle corporate fellow in recognition of his outstanding contributions to scientific and technical fields. The addition of

Dr. Bhaduri to this prestigious group brings the total number of active corporate fellows, the highest designation a researcher can receive at ORNL, to 31 engineers and scientists.

Dr. Bhaduri, the leader of the Geographic Information Science and Technology Group at ORNL, is internationally renowned for his role in conceiving, designing and implementing novel geocomputational methods to help solve a wide variety of national and global problems in energy, environment and national security. He is also a founding member of DOE's Geospatial Science Steering Committee.

Dr. Bhaduri received bachelor's and master's degrees from the University of Calcutta, India, a master's degree from Kent State University and his doctorate from EAS. In 2010, Dr. Bhaduri was named a recipient of the Homeland Security Award presented by the Christopher Columbus Fellowship Foundation and AugustaWestland North America.

## ITAP TAKING FACULTY ORDERS FOR CAPACITY IN A NEW CLUSTER SUPERCOMPUTER

Faculty researchers can now place orders for capacity in a new community cluster supercomputer ITaP plans to have operational in September. The Hansen cluster will feature Dell computer nodes with four 12-core AMD Opteron 6176 processors (48 cores per node) and either 96 or 192 gigabytes of memory. A large-memory option with 512 gigabytes also is available. To see available hardware and to order, visit: <http://www.rcac.purdue.edu/order/>.



## THESIS DEFENSE

**Friday, July 15, at 2 p.m. in CIVL 2201:** "Land surface feedbacks on the post-landfall tropical cyclone characteristics using the Hurricane Weather Research and Forecasting (HWRF) Modeling System." MS defense for **Monica Laureano**; Co-Advisors: Mike Baldwin and Dev Niyogi

## OUR RECENT PUBLICATIONS

**Huber, M.** and R. Caballero, 2011: The early Eocene equable climate problem revisited. *Climate of the Past*, **7**, 603–633, doi:10.5194/cp-7-603-2011.

Mishra, V., K. A. Cherkauer, L. C. Bowling, **M. Huber**, 2011: Lake ice phenology of small lakes: Impacts of climate variability in the Great Lakes Region. *Global and Planetary Change*, doi:10.1016/j.gloplacha.2011.01.004.

## RECENT PRESENTATIONS

Qin, Z., Q. Zhuang, and M. Chen, Trade food for bioenergy: direct land use change effects on carbon balance in conterminous United States. Sixth frontiers in bioenergy: United States - Brazilian symposium on sustainable bioenergy, 15-18 May, 2011, West Lafayette, Indiana.

Qianlai Zhuang presented a paper entitled "Influence of Changes in Wetland Inundation Extent on Net Fluxes of Carbon Dioxide and Methane in Northern High Latitudes from 1993 to 2004," Québec City, Canada, 13-17 June, 2011.

Gerald H. Krockover, Keynote Address: "Using Action Based Research Teams to Reform Undergraduate Science Courses," Research Based Undergraduate Science Teaching National Conference, The National Study of Education in Undergraduate Science, The National Science Foundation, University of Alabama, June 20, 2011.

## FORUM AND WORKSHOP PARTICIPATION

Upon invitation, Prof. Qianlai Zhuang participated in a NSF workshop entitled, "Vulnerability of Permafrost Carbon Research Coordination Network

(RCN) Synthesis" in Seattle, Washington, June 1-3, 2011

Prof. Qianlai Zhuang was also invited to participate in the XXXII MIT Global Change Forum, "Rethinking Global Change," 22-24 June 2011, Cambridge, Massachusetts.

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#### **NEW MILEAGE RATE FOR PRIVATELY OWNED VEHICLES WENT INTO EFFECT JULY 1**

To correspond with an increase to the mileage rate allowed by the Internal Revenue Service, Purdue has adopted the mileage rate of 55.5 cents per mile for privately owned vehicles used for University business travel on or after July 1, 2011.

Award regulations for state of Indiana contracts and grants require reimbursement under the state's travel regulations. Travel supported by the state continues to be paid mileage at 44 cents per mile.

More information about the University's [mileage reimbursement for privately owned vehicles](#) is available under the "Transportation" link on the [Travel](#) website. Details concerning state travel rates also can be accessed there.

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#### **FORMER GRADUATE STUDENT DIES**

We recently learned of the passing of Dr. Nathaniel T. Richardson (PhD 1978). Dr. Richardson died on March 9, 2008 in Sinkor, Monrovia following a brief illness. At the time of his death, Dr. Richardson was the President of the Geo-services Ltd. and the American-Liberia Mineral Company (Am-Lib). Dr. Richardson also served in several key positions in government and the private sector. [Obituary](#)

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#### **COLLABORATIONS WITH STOCKHOLM UNIVERSITY**

Vice-Chancellor Kåre Bremer of Stockholm University and President France Córdova of Purdue University are interested in strengthening the collaboration between Purdue University and Stockholm University. Research at Stockholm University is outstanding within the humanities, law, and the social and natural sciences. Please review the website describing leading research areas to explore possibilities of new joint projects: <http://www.su.se/english/research/leading-research-areas>. If you have interest in building a collaboration, please contact the appropriate faculty at Stockholm University directly.

#### **UNDERGRADUATE RESEARCH PROJECT FUNDING**

The Discovery Park Undergraduate Research Internships (DURI) program is accepting project proposals for the 2011-2012 academic year. If you would like to have an undergraduate researcher, please consider DURI. Students receive a \$500 scholarship per semester for participation; students also receive credit for the required GS490 seminar course that accompanies the DURI internship.

#### **Requirements:**

1. Projects must involve the undergraduate in authentic research
2. Projects must involve interdisciplinary research consistent with the philosophy of Discovery Park (see <http://www.purdue.edu/discoverypark/viewbook/>)
3. Projects must involve faculty from different disciplines; these must be listed on the application

#### **To Submit a Project Proposal:**

1. Go to [www.purdue.edu/dp/duri](http://www.purdue.edu/dp/duri)
2. Select "Getting Started" from the Faculty & Staff section in the left column
3. Under Application Submission, select "Login and submit project proposals via the on-line submission form"

If you have questions, please contact:  
Lisa Kirkham  
Project Coordinator  
Discovery Learning Research Center  
[lkirkham@purdue.edu](mailto:lkirkham@purdue.edu)

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#### **FULBRIGHT CANADA AWARD OPPORTUNITIES FOR AMERICAN SCHOLARS**

Fulbright Canada, a member of the prestigious worldwide Fulbright family, is offering more than 30 Fulbright research chairs at universities across Canada. Read more: [Fullbright Canada Scholar Opportunities 2012-13](#); [Why Choose Canada \(Thomas Houston\)](#); [Why Choose Canada \(Veizer\)](#).

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#### **HIMI FUNDED POSTDOCTORAL EDUCATION RESEARCH/TEACHING OPPORTUNITY**

Funding from a Howard Hughes Medical Institute (HHMI) Undergraduate Science Education Award will provide educational opportunities for postdoctoral scholars. Three postdocs will be recruited for a one-year faculty development experience. [Read more...](#)

### NATIONAL RESEARCH COUNCIL AWARDS

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends. More detailed information and an online application can be found at [www.nationalacademies.org/rap](http://www.nationalacademies.org/rap).

### OVERSEAS RESEARCH INTERNSHIPS FOR GRADUATE AND ADVANCED UNDERGRADUATE STUDENTS

The Office of International Programs announces the Overseas Research Internship Program, designed for Purdue graduate students and advanced undergraduate students. This is a new initiative that offers international education opportunities to those whose needs are not met by more conventional study abroad experiences. Each research project will be facilitated by a Purdue faculty member, in cooperation with a colleague from an overseas institutions. For more information go to <http://www.studyabroad.purdue.edu/faculty/ResearchInternship.cfm>.

### HAPPY BIRTHDAY!!!

Steve Smith – July 7  
Andy Freed – July 8  
Alex Gluhovsky – July 13  
Bill Hinze – July 26  
Patty Rigdon – July 30  
Stacie Cordell – July 31



### IMPORTANT NOTICE ABOUT THIS NEWSLETTER

This newsletter will now be used as the primary information source for current and upcoming events, announcements, awards, grant opportunities, and other happenings in our department and around campus. Active links to additional information will be provided as needed. Individual email announcements will no longer be sent unless the content is time-sensitive. We will continue to include our publications, presentations and other recent news items as well. Those using paper copies of the newsletter should go to our newsletter archive on the EAS website at [www.purdue.edu/eas/](http://www.purdue.edu/eas/) and **Click on News** to access active links as needed. Material for inclusion in the newsletter should be submitted to Gina Richey ([grichey@purdue.edu](mailto:grichey@purdue.edu)) by **Friday noon** of each week for inclusion in the Monday issue. **If it is in the newsletter, we assume you know about it and no other reminders are needed.**

For answers to common technology questions and the latest updates from the EAS Technology Support staff, please visit [http://www.purdue.edu/eas/info\\_tech/index.php](http://www.purdue.edu/eas/info_tech/index.php).

Also, as an additional resource for information about departmental events, seminars, deadlines, etc., see our departmental calendar at <http://calendar.science.purdue.edu/eas/seminars>.

