

GEOBULLETIN

November 9, 2007

FALL 2007 LECTURE SCHEDULE ---- All lectures (unless otherwise noted) are held on **Fridays at 3:30 PM in AB20 (Laudon Lecture Hall)**. Coffee & cookies are served in the lobby starting at 3:15 PM.

TODAY ----- November 9 --- Jeff Post ----- Smithsonian Institution – Curator, National Gem & Mineral Collection

November 16 ----- Hiroshi Ohmoto ----- Pennsylvania State University -----

November 30 --- Jim Butler --- Kansas Geological Survey ----- 2007 Darcy Lecturer

SPRING 2008 WEEKS LECTURE SCHEDULE

February 8 ----- Neil Shuban ---- University of Chicago

February 15 --- Linda Hinnov ---- The Johns Hopkins University

February 22 ---- David Wesolowski ----- ORNL -----

March 7th ----- Francesca Smith ----- Northwestern

March 28 ----- Carel J. van Oss ----- SUNY-Buffalo

April 4 ----- Martin Saar ----- University of Minnesota

April 11 ----- Laurie Brown ---- University of Massachusetts

May 2 ----- Board of Visitors' Meeting ---- date reserved

May 9 ----- Sean C. Solomon ----- DTM/Carnegie Institution of Washington

CONGRATULATIONS TO:

Eric and Mert Carson on the birth of their son. Clayton Macnab was born October 25th. He joins big sister Claudia in the Carson home.

Kuwanna Dyer and Jeff Pietras who were married on Saturday, November 3 at Olbrich Gardens. Pictures posted in "the window".

INTERNSHIPS

ENTRY POINT, a program of the American Association for the Advancement of Science (AAAS), offers outstanding paid, 10-week internships and semester co-ops in major companies throughout the United States, including NASA, IBM, NOAA, Merck, Lockheed Martin, Google, CVS, and NAVAIR. ENTRY POINT is available to **STUDENTS WITH DISABILITIES** majoring in life sciences, physical sciences, computer science, engineering, mathematics, and other quantitatively-based fields (e.g. finance and economics).

Qualifying students must: • Be full-time undergraduate or graduate students

- Be a Science, Mathematics, Engineering, Business, or Computer Science major
- Have a B average GPA (or higher)
- Be a U.S. citizen

If you meet the above criteria, you might be selected for a position this summer where you will benefit from a mentor and receive competitive pay. For more information, contact: LAUREEN SUMMERS Project on Science, Technology and Disability AAAS 1200 New York Avenue, NW Washington, DC 20005 Phone: (202) 326-6649 E-mail: Lsummers@aaas.org Or Check out the web site and Apply Online at

<http://www.entrypoint.org>

Invitation from University of Texas at Austin ----- On November 16, 2007 at 7:00 pm CST, Dr. Eric J. Barron, Dean of the Jackson School of Geosciences at The University of Texas at Austin will address how much our environment will warm, how fast will it warm, and how significant will be the impact. The current debate has shifted to questions concerning the range of changes that might occur, how quickly we might feel the impacts and how the resulting changes will look. Faculty, staff, and students may view Live Webcast of the lecture on November 16, 2007 at 7:00 pm CST. Webcasts are very high quality, and viewers can submit questions to the speaker through the website and the speaker answers the online questions in real time. The webcasting software used requires viewers to download a small plug in, but it is very simple and quick to install. A link to the details of the lecture and the webcast could be found at:

<http://www.esi.utexas.edu/outreach/ols/lectures/Barron>

POSITIONS AVAILABLE ---- FURTHER DETAILS EITHER ON THE WEB OR IN THE OFFICE

Hourly Position in PHP & MySQL: Shanan Peters (peters@geology.wisc.edu) is looking for an undergraduate or graduate student with skills in PHP & MySQL to help code a variety of basic web applications. If you have this skill set and would like to exercise it with geological data, please send Shanan an email for further details.

Institute for Research on Earth Evolution (IFREE) of the Japan Agency for Marine-Earth Science and Technology (JAMSTEC) invites qualified applicants for one position as Scientist, Technical Scientist or Postdoctoral Researcher who engages in modeling of deformation, fracture and slip phenomena in rock-fluid system at the Research Program for Plate Dynamics. Applicants must hold a Ph.D. or equivalent combination of education and experience. Applications from those who are expected to obtain a Ph.D. by the date of employment will be considered. Successful candidates will be employed as terminable employees of JAMSTEC, according to his/her research theme and role in IFREE. For complete position description, qualification requirements, and application procedures, visit http://www.jamstec.go.jp/e/about/recruit/ifree_20071101.html Required documents should be sent by registered mail and reach IFREE before/on the closing date of January 4 (Fri.), 2008 (Japan Standard Time).

Princeton University ----- The Department of Geosciences is seeking applications for a tenure-track faculty position in solid-earth geosciences. Particularly interested in outstanding scientists who study Earth's lithosphere, mantle, or core, by geophysical (seismology, geodynamics, or mineral physics), geochemical, and/or geological (petrology, geochronology, or geomorphology) methods. Applicants should send a curriculum vitae, including a publication list, a statement of research and teaching interests, and contact information for three references to: Allan Rubin, Search Committee Chair, Department of Geosciences, Guyot Hall, Princeton University, Princeton, NJ 08544. The starting date is flexible. Evaluation of applications will begin immediately; interviews of candidates will begin in the Fall of 2007 and will continue until the position is filled. This search at the assistant professor level is separate from an on-going search for a senior level (tenured) appointment in solid Earth geophysics. Contact person --- Tom Duffy ----- (609) 258-6769 ----- duffy@princeton.edu

Instrumental Software Technologies, Inc (ISTI), dealing in Open Source Geophysical Software based in Saratoga Springs, NY, is seeking knowledgeable and motivated individuals. Need for both a Software engineer and a Seismologist/Geophysicist with a strong programming background. Please visit <http://www.isti.com> for more information. Preference will be given to individual with current permission to work in the US.

Position 1: Software Developer/Programmer ----- Looking for a programmer with experience programming under Unix/Linux and/or Windows in Java, C/C++ and/or Python. Experience with Database and Network

programming a plus. Ability to travel on short notice for periods of 1-3 weeks a plus. Knowledge of or experience in Geology/Geophysics a plus.

Position 2: Senior Geophysical Software Developer ----- Looking for an individual with a strong background (Ph.D. preferred) in Seismology/Geophysics, and a strong background in software development. Desired skills include experience programming under Unix/Linux and/or Windows in Java, C/C++ and/or Python. Experience with Database and Network programming a plus. Ability to travel on short notice for periods of 1-3 weeks a plus.

San Diego State University ----- Post-doctoral position in Ecosystem-Atmosphere Exchange of CO₂ ---- Applications are invited for a postdoctoral position to conduct ecosystem-atmosphere exchange of carbon with stable isotope ratio measurements at AmeriFlux sites. Carbon-13 ratios and concentrations of atmospheric CO₂ are being measured at weekly intervals at ten sites where simultaneous measurements of eddy covariance CO₂ fluxes also are available. Seek a motivated individual to conduct modeling activities with focuses that will (1) demonstrate factors that regulate seasonal and interannual variability of carbon isotope ratio of ecosystem respiration, (2) integrate stable isotope and eddy flux measurements for interpreting controls of NEE fluxes, and (3) develop regional models that use network-wide isotope data as constraints for regional estimates of carbon budget. The successful candidate is expected to produce peer-reviewed publications that address the project objectives. Desired applicants should have a Ph.D. degree in Ecology, Earth System Science, Micrometeorology or a relevant discipline and fluent proficiency of the English language. Appointments can begin as soon as a suitable candidate is found. To apply, please send your curriculum vitae including a list of publications, a research statement, and a list of three references to: Chun-Ta Lai ---- Assistant Professor ---- Department of Biology ----- San Diego State University ---- 5500 Campanile Drive ----- San Diego, CA 92182-4614, USA Tel: 619-594-0678 ---- Fax: 619-594-5676 --- Email: lai@sciences.sdsu.edu Electronic applications as a single pdf are preferred. For additional information, please contact Chun-Ta Lai. http://www.bio.sdsu.edu/faculty/Lai_bio.html

University of Calgary ----- Department of Geology invites applications for a tenure-track faculty position in Mineralogy at the Assistant Professor level. The anticipated start date for the position is August 1, 2008. Candidates require a PhD in a relevant discipline. The successful candidate will develop a vigorous externally funded research program in Mineralogy that complements existing departmental strengths in metamorphic, sedimentary and igneous petrology, hydrocarbon reservoir characterization, physical and chemical hydrology, and environmental geoscience. He/she will contribute to the maintenance and acquisition of mineralogically-related analytical equipment. Undergraduate teaching responsibilities will include Mineralogy (including crystallography and optical mineralogy) and more advanced courses at the candidate's discretion in consultation with the department head. Additional information on the Department is available at: <http://www.ucalgary.ca/geoscience>. Applicants should submit a curriculum vitae, list of publications, a research plan, a statement of teaching experience and philosophy, and arrange to have three reference letters forwarded to:

Mineralogy Search Committee
Department of Geoscience
University of Calgary
2500 University Drive NW
Calgary, Alberta, Canada T2N 1N4
Telephone: 403-220-8863
Fax: 403-284-0074
E-mail: geojobs@ucalgary.ca

The deadline for applications is **February 29, 2008**.

University of Miami ----- The Division of Marine Geology and Geophysics of Miami's Rosenstiel School of Marine and Atmospheric Science is looking to fill two tenure track positions one in the field of

Geochemistry and one in Solid Earth Geophysics. These positions are supported by an endowment from Martha Weeks.

1). Although the precise area of geochemical expertise is open, looking for someone to complement existing expertise in the fields of trace element and stable isotope geochemistry, paleoceanography, and mantle geochemistry. Such areas might include, but are not limited to, radiogenic isotopes, isotope geochemistry of elements not analyzed in the gaseous phase, organic geochemistry, and biogeochemistry.

2). Geophysics: Looking for candidates with interests including, but not limited to, earthquake source mechanics, local and global seismic tomography, seismotectonics, crustal structure, volcano seismology, and any other aspect of observational and/or computational geophysics.

For details of existing faculty and research interests visit web site at [http:// www.rsmas.miami.edu](http://www.rsmas.miami.edu).

Anticipate filling these positions at either the Assistant or Associate Professor Level. Send CV, names of four referees, and statement of interest to: Chair Marine Geology and Geophysics, Rosenstiel School of Marine and Atmospheric Sciences, University of Miami, 4600 Rickenbacker Causeway, Miami, FL 33149. Initial examination of applicants will take place after December 1, 2007 although the positions will remain open until suitable applicants are identified.

James Cook University AUSTRALIA ----- Lecturer/Senior Lecturer in Geology/Economic Geology ----- Assistant to Associate Professor in US in Geology/Economic Geology. No problem if you don't have formal training or experience in Economic Geology because group draws on a wide range of skills to contribute to the discipline (e.g. structural geology, petrology, geochemistry, computer modelling, hydrology). Group is one of the three main economic geology groups in Australia - the Economic Geology Research Group (EGRU). To find out about the job go to <http://jobs.jcu.edu.au/positiondetails.cfm>. reference=7227 For School information try <http://www.jcu.edu.au/ees/> and for further enquiries contact nick.oliver@jcu.edu.au.

Louisiana State University ----- Department of Geology & Geophysics----- Tenure-track Assistant Professor Position in Structural Geology/Tectonics ---- Begin Fall semester of 2008. The successful applicant will be expected to teach structural geology at the undergraduate level and to develop a strong, externally funded research program. Completion of the Ph.D. by the beginning of the appointment is also required, and postdoctoral experience is preferred. Web site: <http://www.geol.lsu.edu>. Applicants should submit a CV, a statement of their research and teaching interests, and the names, addresses, and phone numbers of at least three references to:

Professor Louis Thibodeaux (thibod@lsu.edu),

Chair of Search Committee,

Department of Geology and Geophysics,

Louisiana State University,

Baton Rouge, LA 70803.

For best consideration apply by December 1, 2007.