

# *GEOBULLETIN*

## *December 14, 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.

No more lectures scheduled for this semester.

### **SPRING 2008 WEEKS LECTURE SCHEDULE**

January 25 ---- Clark Johnson ---- University of WI-Madison ---- Astrobiology

February 1 ---- Kate Freeman ---- Penn State ----

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

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

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

February 29 ---- Gene Hunt ---- Smithsonian ----

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

#### **March 28 ----**

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

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

#### **April 18 ----**

April 25 ---- Board of Visitors' Meeting ---- date reserved ----

May 2 ---- Dave Deamer ---- University of California – Santa Cruz

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

### **FALL 2008 WEEKS LECTURE SCHEDULE**

September 12 ---- Steve Holland --- University of Georgia

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

**The National Geospatial-Intelligence Agency** is seeking geochemistry postdoctoral candidates in its visiting scientist program. Candidates must be US citizens. The announcement for the Geochemistry GIS Visiting Scientist is posted at <http://www.ora.gov/maryland/participants/projects/NGA%20FY2008-02.pdf> . Application information is available at <http://www.ora.gov/maryland/participants/forms/NGA-application.pdf>.

**Lehigh University** ---- Graduate Student Opportunity ---- Nitrogen Isotope Biogeochemistry. Grant funding exists to support Ph.D. research focused on (1) methods for N isotope analyses of silicate minerals and glasses, and (2) applications of N isotopes to understanding the transfer of organic signatures into and within the deep Earth. Ideally, the successful applicant would have experience in stable isotope Geochemistry through prior or ongoing undergraduate or M.S. research. This individual could begin their studies at Lehigh University in the summer or fall, 2008. For more information regarding this research program, or the application procedures, please contact Dr. Gray E. Bebout, Department of Earth and Environmental Sciences at [geb0@lehigh.edu](mailto:geb0@lehigh.edu) (phone: 610-758-5831). Descriptions of the department and laboratory, and active research programs, can be found at: <http://www.ees.lehigh.edu/>.

**Yale University** ----- Flint Postdoctoral Fellowship in Geosciences ----- The Department of Geology and Geophysics [www.geology.yale.edu](http://www.geology.yale.edu) announces the 2008 competition for the Richard Foster Flint Postdoctoral Fellowship. Welcome applicants with research interests in climatic processes as well as Cenozoic climatic history. Specific research areas include, but are not limited to, glaciology; climatology; atmospheric circulation; low-temperature geochemistry; coupling between tectonics, climate and surface processes; and the biologic record of climate change. Applicants should contact a sponsor in the Department to identify potential research projects, and then submit a short (2-3 page) statement of research interests and proposed research, a curriculum vita, and list of publications. Applicants should also arrange for three reference letters to be sent directly to the Department. Applications received by February 1, 2008 will be given full consideration, and decisions will be announced by March 15, 2008. Successful candidates are expected to begin their program at Yale between July 1, 2008 and June 30, 2009. Application materials and reference letters should be sent by email ([flint.fellowship@geology.yale.edu](mailto:flint.fellowship@geology.yale.edu)) or by post: Flint Postdoctoral Fellowship, Yale University, Department of Geology and Geophysics, PO Box 208109, New Haven, CT 06520-8109.

**Kansas State University** ----- Department of Geology ---- 2 tenure-track assistant professor positions to be filled in the fall of 2008. Invite applications from specialists in three areas (Hydrogeology, Applied Geophysics, Structural Geology & Tectonics). Require a PhD and eligibility to work in the US by August 12, 2008. For additional details and information on application see website at: [www.k-state.edu/geology](http://www.k-state.edu/geology) or email George Clark at [grc@ksu.edu](mailto:grc@ksu.edu).

**Idaho State University** ----- Research Scientist - Stable Isotope Analysis ----The newly formed Interdisciplinary Laboratory for Elemental and Isotopic Analysis (ILEIA), part of the Center for Archaeology, Materials, and Applied Spectroscopy (CAMAS) at Idaho State University (ISU), seeks a research scientist capable of managing the stable isotope facility. Looking for a researcher with strong analytical skills and detailed familiarity with the ThermoElectron Corporation Delta V Mass Spectrometer or similar, and with the ConFlo III, EA, TC/EA, and GasBench II peripherals. Working with ecologists, paleoecologists, geologists, and archeologists, the candidate will:

- \* Establish QA/QC procedures for a new laboratory.
- \* Do sample preparation, operate, and maintain the instrumentation.
- \* Participate directly in a diverse array of research projects.
- \* Train and supervise undergraduate and graduate student assistants.

Minimum Qualifications: MS or equivalent in geochemistry, ecology, archaeology, chemistry, physics or a related discipline. Two years experience running and maintaining IRMS instrumentation.

Applications: Send by email to Dr. Bruce Finney ([finney@isu.edu](mailto:finney@isu.edu)) or Dr. Herbert Maschner ([maschner@isu.edu](mailto:maschner@isu.edu)). Please include cover letter, resume, and names/phone numbers/emails of three references. The position will begin January 2008 on a yearly contract.

**Bayerisches Geoinstitut** ----- Looking to fill a PhD position in experimental petrology and geochemistry within the research program "*Fractionation of sulfur, copper and gold in two-phase fluids*", funded by the German Science Foundation. The applicant must have a masters or diploma degree in one of the fields of petrology/mineralogy/geochemistry/economic geology. The position is initially for two years, with the possibility for extension to three years. The aim of this project is to experimentally investigate a phenomenon observed on natural fluid inclusions from various ore deposits. -Applicants should have a solid education in petrology and geochemistry, and demonstrate their ability to perform laboratory-based research. Enquiries and applications should be sent to Dr. Andreas Audétat ([andreas.audetat@uni-bayreuth.de](mailto:andreas.audetat@uni-bayreuth.de)), including a CV and a full list of classes taken (with grades). Information about the Bayerisches Geoinstitut can be found at <http://www.bgi.uni-bayreuth.de/>. Evaluation starts immediately and will continue until the position is filled.

**UCLA** --- The Department of Earth and Space Sciences and the Institute of Geophysics and Planetary Physics seek a talented and creative scientist with experience and interests in research and teaching in one or more of the **biogeosciences (geobiology, geomicrobiology, paleobiology, astrobiology, biogeochemistry)** for appointment as an Assistant or Associate Professor. An ability to bridge disciplines and to collaborate with scientists in other fields is an important requirement. The successful applicant will have completed a doctoral degree and have begun to establish a career through the publication of outstanding research. To apply, send a letter of application (refer to tracking number 0995-0708-02), a short statement relating to this position, a curriculum vitae, a list of four potential referees, and copies of three publications to Faculty\_Positions@igpp.ucla.edu or Faculty Positions, Institute of Geophysics and Planetary Physics, University of California, Los Angeles, CA 90095-1567, U.S.A. Electronic submissions are preferred. Selection will commence on December 17, 2007.