GeoBulletin is distributed weekly, by E-mail. Contributions are requested! If you have a news item, a request, an announcement etc. email it to geodept@geology.wisc.edu or leave it at the office, Room 225 by Noon on Monday.

**Weeks Lecture**

*Speaker list – Spring 2012*

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**JOB OPENINGS:**

- Sessional Instructor in Geoscience -at the University of Calgary
- The Department of Geosciences at Mississippi State University invites applications for a full-time, tenure-track Assistant Professor position
- Academic posts in Geology at Liverpool University:
  - The International Seismological Centre (ISC) requires a full-time *SEISMOLOGIST / ANALYST*
- Lecturer, Faculty of Science, University of Waterloo
- University of Technology Sydney, Australia - A PhD project
- The Department of Geology at Rhodes University invites applications for an early-career Metamorphic Geologist
- Radiogenic Isotope Laboratory Technician, Department of Earth and Planetary Sciences, Northwestern University
- The School of Earth and Environmental Sciences seeks to appoint an exceptional Academic in any field of geology (in northern Queensland)
JOB OPENINGS:

Sessional Instructor in Geoscience -at the University of Calgary

The Department of Geoscience at the University of Calgary invites applications for a Sessional Instructor for the 2012-2013 academic years. The Department of Geoscience is committed to student engagement and creating an innovative, student-centered learning environment. Information about the Department and its programs can be found at www.ucalgary.ca/geoscience.

Duties: The successful candidate will be required to teach introductory level courses (first and second year courses of a four year undergraduate program) in the fields of mineralogy, igneous and metamorphic petrology, geochemistry and field geology. Specific courses within these fields will be assigned by the Department Head based on the teaching needs of the Department.

Required and Desirable Qualifications: Applicants should hold at least a M.Sc. in Geoscience or equivalent discipline with demonstrable ability to teach courses in the fields outlined in the duties section above at the undergraduate level. Candidates with a Ph.D. in Geoscience are preferred.

Field school instruction at University of Calgary requires a valid driver's license with a safe driving record and first aid certification. The applicant is expected to maintain appropriate certification in both of these areas throughout their appointment.

Preference will be given to candidates with a strong record of teaching experience and those that possess a broad knowledge of geology, particularly in the areas of field geology, petrology and geochemistry. Candidates must demonstrate a strong commitment to teaching and learning and a desire to support student learning inside and outside of the classroom.

Type of Appointment: This is a term-certain (limited term) position from August 1, 2012 to April 30, 2013 and is not renewable.


Term-certain appointees are eligible for an additional 4% of salary in lieu of benefits and 4% of salary in lieu of vacation.

The Department of Geoscience may reimburse the successful candidate for reasonable relocation costs to Calgary.

How to apply: Applicants should submit a letter of application, a teaching dossier, a curriculum vitae and complete contact information for 3 referees to:

Dr. David Eaton, Head
Department of Geoscience
University of Calgary
2500 University Drive NW
T2N 1N4
E-mail: geojobs@ucalgary.ca

http://www.ucalgary.ca/geoscience
In accordance with Canadian immigration requirements, priority will be given to Canadian Citizens and Permanent Residents of Canada. The University of Calgary promotes employment equity and respects, appreciates and encourages diversity.

**Application Period:** The review of applications will begin on May 15, 2012 and will continue until a suitable candidate is selected. Short-listed candidates will be contacted for an interview.

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MISSISSIPPI STATE UNIVERSITY - Full-time, tenure track Assistant Professor Position

**The Department of Geosciences at Mississippi State University invites applications for a full-time, tenure-track Assistant Professor position in geology** with a starting date of August 16, 2012. Applicants must have completed a Ph.D. degree. The candidate's area of expertise is open, but the candidate must have the ability to teach *mineralogy* and *petrology*. The applicant should also be willing and able to teach introductory geology courses, online courses, graduate-level courses in his/her area of specialization, and/or lead student field trips. The successful applicant will be expected to develop courses in their area of expertise to support the department's Ph.D. program in Earth and Atmospheric Sciences. The successful candidate will be expected to be active in mentoring of graduate students through teaching, course development (both traditional and distance learning technology), and scholarly research activities (including publishing peer-reviewed manuscripts and acquiring external funding). He or she must be willing to collaborate with existing Faculty. The department currently maintains a biogeochemistry laboratory, and sample preparation facilities that include: rock saws, lapidary, mineral separation, and thin section preparation equipment. The university supports a broad spectrum of state-of-the-art analytical facilities through the Institute for Imaging and Analytical Technologies (http://www.i2at.msstate.edu/index.php).

The Department of Geosciences currently has 16 tenure-track faculty members and 14 instructors; of those faculty members six are geologists. The department offers B.S. and M.S. degrees in geoscience and a Ph.D. degree in Earth and Atmospheric Science within five areas of emphasis: atmospheric sciences, geology, environmental geosciences, geography, and geospatial sciences. In addition to the on-campus programs, our distance learning programs enroll more than 700 undergraduate and graduate students. Further information about the Department of Geosciences can be found at http://www.msstate.edu/dept/geosciences/.

Candidates should submit a letter of application, curriculum vitae, copies of transcripts, and names and e-mail addresses of three people who may be contacted for letters of recommendation. Applicants must also complete a Personal Data Information Form (PARF # 4529) online at https://www.jobs.msstate.edu/.

Screening of applicants will begin April 30, 2012 and will continue until the position is filled. Mississippi State University is an Affirmative Action/Equal Opportunity Employer. PhiBeta Kappa members are encouraged to apply.

For submission or further information please contact:
Dr. Brenda L. Kirkland, Chair of the Search Committee Department of Geosciences Hilbun 108/P.O. Box 5448
Mississippi State, MS 39762
Phone: (662) 325-3915
Email: BLK39@msstate.edu
Website: http://www.msstate.edu/dept/geosciences

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Academic posts in Geology at Liverpool University:
http://www.liv.ac.uk/working/job_vacancies/academic/A-579224.htm

Please note that there are likely to be at least one permanent and one temporary appointment in sedimentology- we particularly keen to make at least one appointment in clastic sedimentology. The Geology and Geophysics Group at Liverpool is going to be able to make a number of appointment over the next year or so: enabling us to reinforce areas of current strength and initiate new research areas. Current strengths include various aspects of sedimentary geochemistry, petroleum geology and palaeoenvironmental research.

Isotope geochemists might like to note that we have 3 isotope ratio mass spectrometers with facilities for carbonates, organics and compound-specific isotope ratios and a WSCDRDS system for O and H in waters.

We teach 3 and 4 year degrees in Geology and Geology and Physical Geography - and have a vibrant PhD student population. Further information is available using the link above.

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The International Seismological Centre (ISC) requires a full-time *SEISMOLOGIST / ANALYST*

The International Seismological Centre (ISC) requires a full-time *Seismologist / Analyst* from June 1, 2012. Initially this post is for 2 years with a six-month probation period and a strong possibility of extension. The ISC values its experienced personnel and is always happy to retain qualified and dedicated staff.

The successful candidate will be expected to contribute on a daily basis to with one of the most important ISC duties – analysing the ISC Bulletin. Fulfilling these duties will involve the review of automatic hypocentre solutions, reported source parameters and station picks for approximately 50,000 earthquakes and explosions per year recorded by a network of 5,000 seismic stations worldwide. Communication with seismologists from one of the 140 networks contributing data to the ISC is also part of the job. This is clearly *not a research position* although from time to time the ISC analysts are involved in investigating ways to improve the ISC operations and services to the global seismological community with occasional opportunities to participate in international conferences.

A suitable candidate should have
· a degree in Geophysics or related fields
· experience in regional and global observational seismology, including waveform analysis
· a dedicated meticulous attitude to data
· a working knowledge of English and
· the ability to work as part of a friendly international team

Familiarity with LINUX as well as an understanding of other languages would be an advantage. The successful candidate will be given appropriate training and guidance that may last in excess of 6 months.

The starting salary will be approximately £26K per annum, consistent with UK Academic scales, with 6 weeks paid holiday. Overseas employees will be provided with some assistance in initial travel, accommodation and obtaining a permit to work in UK if required.
To apply, please send your CV with an accent on the above requirements and the names and e-mail addresses of two referees to the ISC Administration Officer admin@isc.ac.uk before May 5, 2012.

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Lecturer, Faculty of Science, University of Waterloo
The Faculty of Science at the University of Waterloo (www.science.uwaterloo.ca) is seeking applications for a Lecturer to assume a mix of teaching and service duties, with the primary purpose of serving the China 2+2 program (www.china2plus2.uwaterloo.ca). The appointment is for three years and may be renewable, and those demonstrating outstanding performance may be considered for an ongoing appointment as a Continuing Lecturer.

The successful candidate will play a leading role in the Science China 2+2 program and will teach courses in his/her areas of expertise at Waterloo and potentially also at the partner universities in China. He/she may have the option to carry out research involving students.

The successful candidate should have a PhD in a Science discipline (preferably in Geology), have demonstrated or potential excellence in teaching at the undergraduate level, have excellent communication, interpersonal and leadership skills, have a good understanding of both the western and Chinese education systems, and be proficient in English and Mandarin Chinese. Research excellence will be considered an asset.

Applications will be accepted until April 30, 2012. A complete application must include a full curriculum vitae, a statement of teaching experience and philosophy, and the names and contact information of three to five referees.

The University of Waterloo encourages applications from all qualified individuals, including women, members of visible minorities, native people and persons with disabilities. All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. Applications should be directed to T.B. McMahon, Dean, Faculty of Science, University of Waterloo, Waterloo, Ontario, N2L 3G1, Canada (email: mcmahon@uwaterloo.ca).

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University of Technology Sydney, Australia - A PhD project

A PhD project (with funding) for someone to use stable isotope techniques (specifically, C13 and O18 and deuterium) to examine the ecophysiology of Groundwater Dependent Ecosystems. The position is located at the University of Technology Sydney, Australia. An undergraduate degree in science plus either an Honours degree or Master's degree are required for PhD study in Australia. Interested people should send their CV and up to one page of text outlining project ideas asap.

Terrestial Ecohydrology Research Group Leader
Plant Functional Biology and Climate Change Cluster
Department of Environmental Sciences
University of Technology, Sydney
PO Box 123, Broadway
NSW 2007
ph 02 9514 4154
www.c3.uts.edu.au

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The Department of Geology at Rhodes University invites applications for an early-career Metamorphic Geologist. Initially the post will be filled at Lecturer/Senior Lecturer level on a tenure-track basis with a merit-based promotion path leading eventually to the rank of Professor. Starting date is the 1 January 2013 or as soon as possible thereafter.

Our Department (and the whole university) is fairly small but particularly for a metamorphic geologist quite well equipped with easy access to analytical instrumentation (EPMA, XRF, XRD, FI stage, SEM-EDS). These instruments are fairly new (apart from the XRF, which we will replace in the next few years), well managed, and of good quality. Grahamstown is located in the heart of South Africa's Eastern Cape Province and offers high quality life and work environment.

Applicants are welcome to contact the Head of Department (Steve Prevec; s.prevec@ru.ac.za) or me for further information, or in order to evaluate the potential for collaboration within the Department. The attached document provides the job advert including links to the relevant application forms.

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Radiogenic Isotope Laboratory Technician, Department of Earth and Planetary Sciences, Northwestern University

A full-time technician is needed to oversee the daily usage and management of a new Radiogenic Isotope Laboratory consisting of a clean room and a Triton MC-TIMS. The technician will operate and maintain the TIMS; work in the clean room to prepare samples, spikes, and reagents; participate in method development projects; train students, assist visitors, and interface with faculty and other personnel; and maintain records of usage and expenses. Applicants should have a MS or PhD degree in geochemistry, chemistry, or a related field, with a strong background in isotope dilution techniques and ability to troubleshoot and repair electronic and vacuum equipment. Prior clean room and TIMS experience is required. Review of applications will begin immediately and continue until the position is filled. Salary is commensurate with qualifications and experience. Applicants should submit a cover letter, CV, and list of four references, including e-mail addresses and phone numbers, to Andrew Jacobson (adj@earth.northwestern.edu). Applicants should also apply online to opening 19023 at www.northwestern.edu/hr/careers. Northwestern University is an EO/AA employer.

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The School of Earth and Environmental Sciences seeks to appoint an exceptional Academic in any field of geology (in northern Queensland) who will complement the school's existing strengths in economic geology, geochemistry, and tectonics. The research output of the school is highly ranked in Geology and Geochemistry, and supported by world-class analytical facilities. The school's long tradition of excellence in Economic Geology is maintained through the Economic Geology Research Centre. This post is offered at an exciting time when the mineral resource sector is booming in northern Queensland and student numbers are increasing dramatically. The school is seeking a lecturer who will be a committed and inspirational teacher, as well as a successful researcher able to attract competitive research funding and supervise postgraduate students.

Duties and Accountabilities
The successful applicant will:
- teach and coordinate Geology subjects at undergraduate and post-graduate level (including first year geology and introductory metamorphic petrology);
- develop and grow research that will strengthen JCU’s position of excellence in Geology and Geochemistry;
- generate research funding and attract post-graduate students (at Honours, Masters and PhD levels);
- maintain a good publication output; make regular contributions to scientific meetings;
assist in the operation of student field classes; develop and maintain collaboration with Government agencies and Industry.

Key Selection Criteria
1. PhD and teaching experience in Geology.
2. Ability to teach and coordinate courses.
3. A research track record.
4. Experience as a supervisor at Honours, Master of Science and/or PhD level.
5. Demonstrated ability to attract competitive research funding.

Desirable Selection Criteria
1. Dedication to field orientated teaching will be viewed favourably.

Enquiries; Name: Professor Paul Dirks Phone: (07) 4781 5047
E-mail: paul.dirks@jcu.edu.au

********** HAVE A GREAT WEEKEND**********