

GEOBULLETIN
APRIL 17TH, 2009

Geobulletin is distributed weekly, on Wednesday by E-mail. Contributions are requested! Anything and everything (well almost) that you want to see in print. If you have a news item, a request, an announcement etc. email it to geodept@geology.wisc.edu. or leave it at the reception desk, Room 236 by noon on Mondays.

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.

Apr. 17 - Dept. of Geology and Geophysics – Board of Visitors Spring Meeting

Apr. 24 - Susanne Janecke (Utah State University) (SPONSOR: DEMETS)
"Reorganizing plate boundaries, evolving basins, pseudotachylyte, detachment faults, and crossing strike-slip faults: Southern California"

May 1 - Laurent Charlet, (Univ. Grenoble) (SPONSOR: SAHAI)

May 8 - Peter Visscher (SPONSOR: RODEN)
"Microbial mechanisms forming modern marine stromatolites - Using the present to predict the past"

SPRING BANQUET

The 2009 Departmental Spring Banquet will be held on Friday, April 17, at Olbrich Gardens beginning at 6:00 PM. Cost is \$15.00/person, and the signup deadline is Thursday, April 10. Dinner and drinks will be provided by Blue Plate Catering, with the following entree options.

Vegetarian Lasagna

Layers of Pasta, Fresh Steamed Spinach, Mushrooms, Leeks, Zucchini, Yellow Summer Squash, Peppers, and Onions combined with Three Cheeses and Marinara Sauce. Served with Tossed Garden Salad and Assorted Dressings

Prosciutto Chicken

Prosciutto with Smoked Mozzarella, Caramelized Garlic, and Fresh Spinach wrapped in a tender Breast of Chicken and served with Garlic Mashed Potatoes

Tropical Tilapia

A light, white fish fillet that is tortilla crusted and topped with a lime and chipotle sauce to add a little zing. Served with Saffron Rice...very pleasing to the eye and palate...

Please contact Amalia Doebbert (doebbera@geology.wisc.edu) with any questions.

2009 GRADUATE SYMPOSIUM MAY 7-8, 2009

We are happy to announce that David Mickelson will be the keynote speaker for the Grad Symposium!

Glacial landscapes of Wisconsin, David Mickelson, Emeritus Professor

About 25,000 years ago glaciers covered about two thirds of the state. Our soils, landscape owes its existence to this former ice sheet. It is fitting that over 40 years ago Congress established the Ice Age National Scientific Reserve and the Ice Age National

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Scenic Trail, both of which highlight and protect glacial features. I am now working with 2 co-authors to write a book on the geology of the Trail and Reserve. In addition to describing the formation of various glacial processes and features, I will highlight opportunities for Ice Age Trail hikes and other activities.

[The 3rd annual Graduate Symposium is an opportunity for grad students and undergraduates](#) to highlight the work they've done in the past year. Talks will follow a short, conference-like format (15 minute slots), and the poster session will be held on Friday afternoon in the Geology Library following the Weeks talk. Restrictions on poster size will be forwarded soon but are the same as in previous years.

Please submit hard-copy abstracts to Jason Huberty's mailbox by 5:00 PM on Friday, April 17, 2009. Additionally, place a copy of your completed abstract file in the "2009 Grad Symposium" folder on A320 under the subfolder "Abstracts". Please turn in abstracts by the due date, but if you must hand it in on Monday, we recommend it be accompanied by a six-pack or box of chocolate for the Grad committee members.

ANNOUNCEMENTS:

PHD SCHOLARSHIP: STABLE ISOTOPE COMPOSITION OF AUSTRALIAN WATERS, PLANTS AND WILDLIFE.

Supported by the Research School of Biological Sciences (The Australian National University) and CSIRO. We are seeking a highly motivated individual to undertake a PhD Scholarship for three years in the Research School of Biological sciences at The Australian National University (ANU) in Canberra, working on the below project.

Dr Hilary Stuart-Williams in the Environmental Biology Group (headed by Professor Graham Farquhar) and Dr Leo Joseph (Director of the Australian National Wildlife Collection (ANWC), CSIRO) have funding for a domestic student of high standard to examine the stable isotope composition of Australian natural waters, plants and wildlife. The project is focused on determining the carbon, nitrogen, hydrogen and oxygen stable isotope composition of bird feathers and relating this to landscape scale movements of individuals and populations. The ANWC has unparalleled collections of Australian birds which can be sampled and new specimens are being added all the time. Surface waters and plants for the study will be sampled throughout the project both through planned collection and opportunistically during travel and fieldwork. Isotopic analysis will take place using the mass spectrometers in the Environmental Biology group at ANU. Data from the study will be integrated with other datasets and presented on the web, providing user access through database retrieval and mapping using GIS.

This doctoral position will give the student a chance to become familiar with modern stable isotopic techniques and equipment, in addition to acquiring experience in the genetic and climatic backgrounds of the studied organisms. There may be opportunity for fieldwork in remote regions of Australia. The student will also be intimately involved with setting up the web-based access system.

Scholarship applicants should have completed or will soon complete an undergraduate degree (Hons) or a masters in the biological sciences and be able to provide good references testifying to their ability and initiative. We do not expect experience with stable isotopes, and training in all the required skills will be provided. We are a small, relaxed group and are looking for a person who will interact with us constructively and provide significant input into the design of their research. The initial work for the study has already been conducted and the position is therefore available immediately.

We are offering a \$7000 per annum top-up to the normal stipend for three years.

Further details are available from:

Dr Hilary Stuart-Williams
Research Officer
Environmental Biology Group
Research School of Biological Sciences
The Australian National University

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Acton
Canberra
Australia ACT 2601

2009 GRADUATE STUDENT GRANT PROGRAM, THE SPACKMAN AWARD

The Society for Organic Petrology (TSOP) invites applications for graduate student research grants, the Spackman Award. The purpose of the grants is to foster research in organic petrology (which includes coal petrology, kerogen petrology, organic geochemistry and related disciplines) by providing support to graduate students from around the world, who demonstrate the application of organic petrology concepts to research problems.

Size of the Spackman Award:

Monetary awards up to a maximum of \$1,000.00 US will be granted. TSOP will also provide Merit Awards, in the form of certificates redeemable for TSOP publications, to top-ranking applicants not receiving grants. The program awards a maximum of two grants each year. All applicants are invited to enjoy a year's free student membership in TSOP.

Use of the Spackman Award:

Grants are to be applied to expenses directly related to the student's thesis program, such as fieldwork, laboratory analyses, etc. A portion (not to exceed 25%) of the funds may be used to attend TSOP Annual Meetings. Funds should *not* be used to purchase capital equipment, to pay salaries, tuition, room, or board during the academic year. Funds must be spent within 18 months of receipt of the award.

Review and Ranking of Applications:

A committee of three TSOP members (and/or external experts when needed) will review the pool of applications. The reviewers will be drawn from people having no association with the host institution of any applicant. Each reviewer will independently rank each proposal according to established merit criteria, using the Application Evaluation Form included in the application packet. The cumulative score from all three reviewers will be used to determine the final ranking of the applications. Winners will be notified prior to the 2009 Annual Meeting (September 19-26), and all applicants will be informed by mail of the final status of their applications.

Application Deadline:

TSOP Spackman Award application deadline is May 15, 2009. Grants will be awarded in September, 2009.

Detailed information and an application form are on the TSOP web site: www.tsop.org/grants.htm or applications may be obtained from:

Prof Colin Ward
Chair, TSOP Research Committee
School of Biological, Earth and Environmental Sciences
University of New South Wales
Sydney, NSW, 2052
Australia

E-mail: c.ward@unsw.edu.au

The Geodynamics group within the Department of Earth Sciences at the University of Maine seeks a graduate student operator for our new SEM laboratory, beginning in Summer or Fall 2009. The student will develop protocol for and help operate our Tescan Vega-II XM scanning electron microscope, fitted with an integrated EDS-EBSD system and color CL detector. Research opportunities associated with the position relate to crustal rheology, but specific projects are wide-ranging. Preference

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given to students seeking a Ph.D., but students interested in an M.S. degree considered. For more information or to express interest, please contact Chris Gerbi (gerbi@umit.maine.edu).
<http://www.geology.um.maine.edu/>

For any students who might be interested: Misasa International Student Intern Program 2009 at the Institute for Study of the Earth's Interior (ISEI), Okayama University, Misasa, Japan

1. Institute for Study of the Earth's Interior, Okayama University, Japan would like to invite applications for the 2009 International Student Intern Program

2. About the institute

The Institute for Study of the Earth's Interior (ISEI) is a leading institute equipped with state-of-the-art experimental and analytical facilities. Active researches are being conducted in the basic research areas of isotope and trace element geochemistry, high-resolution geochronology, and high-pressure and temperature materials science, aimed at understanding the origin, evolution and dynamics of the Earth. The institute is rapidly developing into an international research and educational center for solid earth sciences through the embarkation of the Center of Excellence for the 21st Century (COE-21) program (Program Leader: Professor Eizo Nakamura), sponsored by the Ministry of Culture, Sports, Science and Technology of Japan (MEXT) in 2003, and is now constantly the host of a significant number of leading and young collaborative researchers from worldwide. The institute is located in Misasa town, which is well known in Japan for its hot-spring spa. For more information about ISEI, please visit the following website:
<http://www.misasa.okayama-u.ac.jp/>

3. About the program

The annual Misasa International Student Intern Program for advanced undergraduate (3rd to 4th year) and master's course students has been planned to promote international collaborative research and education. During the intern program, students will work closely with ISEI faculty members and their research groups on currently active research projects at ISEI. Researches at ISEI generally fall into one of the following areas: (1) geochemistry, cosmochemistry and geochronology (major/trace element and isotope analyses of crustal and mantle derived magmas, xenoliths, melt inclusions and meteorites using SEM, ICP-MS, TIMS, SIMS, IRMS, XRF, etc. to unravel the origin, evolution and dynamics of the Earth and the Solar System), (2) high-pressure experimental mineral physics (including high-pressure experiments using multi-anvil press, studies of phase equilibrium, electrical conductivity, elasticity and rheological property using X-ray diffraction (XRD), resonance ultrasonic spectroscopy (RUS), impedance spectroscopy (IS), etc.), and (3) magmalogy and crystal chemistry (including high-pressure experiments using DAC/multi-anvil press/piston cylinder/IHPV, and NMR/Raman/IR spectroscopic measurements of minerals, melts (glasses) and fluids). Perspective applicants are encouraged to contact ISEI faculty member(s) for more information. It is hoped that through this program, the participants will acquaint themselves with the state-of-the-art research facilities and activities at ISEI, and gain first-hand scientific research experience. At the conclusion of the program, an intern symposium will be held for all the participants to deliver oral presentations of their work (in English).

4. Eligibility

The program is open to advanced undergraduate (3rd to 4th year) and master's course students majoring in earth sciences, physics, chemistry, materials sciences, or related fields, who have a strong interest in a career of scientific research. Students from either within or outside Japan, regardless of nationality, are eligible to apply. Communication skill in English is required.

5. Date and Period:

July 2 (Thu)-August 11 (Tue), 2009

6. Financial support:

Travel expenses and daily allowance will be fully covered, and accommodation in the Misasa guesthouse will be provided.

7. Number of participants:

About 10.

8. Application procedure:

The application form for the internship program is available from the following website.

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<http://www.misasa.okayama-u.ac.jp/MISIP/2009/>

9. Application deadline:
April 30, 2009 (10 am, JST)

10. Contact information
The application should be sent to:
Yoshiko Nakano
Institute for Study of the Earth's Interior
Okayama University
Misasa, Tottori, 682-0193 Japan
E-mail: misip@pheasant.misasa.okayama-u.ac.jp
For inquires concerning the intern program, please contact Dr. Katsuyuki Yamashita, the program coordinator (coordinator@pheasant.misasa.okayama-u.ac.jp) or any other ISEI faculty members.

POSITION OPENINGS:

- Seismologist/Geophysicist - Rockville, MD
- The Division of Geological and Planetary Sciences at the California Institute of Technology (Caltech) invites applications for a post-doctoral scholar position in the Seismological Laboratory
- Wetlands Geology Specialist -Illinois State Geological Survey -Institute for Natural Resource Sustainability University of Illinois at Urbana-Champaign
- Visiting Environmental Assessments Specialist - Illinois State Geological Survey -Institute for Natural Resource Sustainability- University of Illinois at Urbana-Champaign
- A Post-doctoral research scientist position in the broad area of experimental petrology / experimental mineral physics is available immediately for a term of two years at the Institut für Geologie, Mineralogie und Geophysik of the Ruhr-Universität Bochum.
- The GEOTOP research centre in geochemistry and geodynamics and the *Département des Sciences de la Terre et de l'atmosphère* of the *Université du Québec à Montréal* (UQAM) invite applications for a tenure-track faculty position for a Canada Research Chair Tier 2 in stable isotope geochemistry

Seismologist/Geophysicist

SALARY RANGE: 86,927.00 - 113,007.00 USD per year

OPEN PERIOD: Monday, March 30, 2009
to Monday, April 27, 2009

SERIES & GRADE: GG-1313-13/13

POSITION INFORMATION: Full Time Permanent

PROMOTION POTENTIAL: 13

DUTY LOCATIONS: vacancy(s) in one of the following
locations: 1 vacancy - Rockville, MD

WHO MAY BE CONSIDERED:

Applications will be accepted from United States citizens.

** ATTENTION - THE CLOSING DATE FOR THIS ANNOUNCEMENT HAS BEEN
EXTENDED FROM 4/15/09 to 4/27/09 **

JOB SUMMARY:

The U.S. Nuclear Regulatory Commission (NRC) is proud to be ranked as the BEST Place to Work in the Federal Government. We've earned our top ratings by creating a work environment rich in opportunity, diversity, leadership training, teamwork, and

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work life balance. Help guide our nation into the next generation of nuclear safety! Begin a challenging career with the U.S. Nuclear Regulatory Commission where you can be part of a select group of professionals who protect people and the environment with the peaceful use of nuclear materials in medicine, industry and research. To find out more about the NRC, we invite you to visit us on the web at www.nrc.gov.

This position is located in: Office of Nuclear Regulatory Research - Division of Engineering - Structural, Geotechnical and Seismic Engineering Branch

The supervisor is: Rosemary Hogan

This position is: Bargaining Unit

How much travel is required? Occasional

Will NRC pay relocation expenses? Expenses associated with interview and/or relocation may be paid.

Is drug testing required for this position: The NRC is a zero tolerance agency with respect to illegal drug use? Individuals selected for this position will be subject to pre-appointment drug testing unless currently in a NRC position subject to random drug testing AND will be subject to random drug testing upon appointment to the NRC.

KEY REQUIREMENTS:

- U.S. Citizenship Required
- Background investigation leading to a clearance is required for new hires.

Subject: (Job) Postdoctoral Position in Seismology at Caltech

Postdoctoral Position in Seismology at Caltech

The Division of Geological and Planetary Sciences at the California Institute of Technology (Caltech) invites applications for a post-doctoral scholar position in the Seismological Laboratory. Applicants with an interest in computational and regional observational seismology, or aspects of real-time seismology are encouraged to apply. The research goals include synthesizing earthquake data from the extensive database of the Southern California Seismic Network to improve our understanding of earthquake physics and fault systems in southern California. Real-time seismology research goals include developing new real-time methods for determining high precision hypocenters and other earthquake parameters, to facilitate rapid interpretation of ongoing earthquake sequences.

The position will involve research in computational and regional observational seismology, including: 1) applying state-of-the-art methods to relocated the southern California seismicity and refine 3D tomographic crustal models; 2) developing new approaches to determine focal mechanisms and state of stress in the crust to improve our understanding of the seismotectonics; 3) applying the refined hypocenters and focal mechanisms to improve our understanding of earthquake physics and statistics; and 4) participate in various aspects of moment tensor determination and finite source seismology adapted for real-time processing.

A recent Ph.D. in seismology, earthquake engineering, or a related discipline is required. Experience in analysis of earthquake data is also required. Some programming skills in languages, such as C, C++, Java, Matlab, or scripting languages, are highly desired.

The position is available as of May 1, 2009. Funding is available for one year with a possible renewal for a second year, depending on performance and availability of funding. Scholars are eligible to participate in Caltech's health and dental program. Applications will be considered until the position is filled. For additional information, please contact Dr. Egill Hauksson, hauksson@gps.caltech.edu.

Applicants should send a CV, a brief statement of research interests and experience, and arrange to have three letters of recommendation sent electronically to Marcia Hudson at: marcia@gps.caltech.edu.

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Caltech is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

**Wetlands Geology Specialist -Illinois State Geological Survey -Institute for Natural Resource Sustainability
University of Illinois at Urbana-Champaign .**

This position is based at our 1808 Woodfield, Savoy, Illinois, location.

We are seeking an individual(s) (up to two, depending on pool of applicants and programmatic need) to conduct hydrogeologic studies of wetlands, wetland mitigation sites, and other natural areas.

Responsibilities: Conduct field work, including installing wells and instruments, surveying, and field testing. Assist project participants with field work. Download and maintain various field instruments. Measure surface and ground water levels. Maintain field equipment and vehicles. Enter and upload field data and performs quality control checks. Collect, review, and evaluate field and file data. Contribute to hydrogeologic characterization site reports.

Qualifications: Required: Bachelor's degree in geology, physical geography, or related discipline, with two years of related experience beyond the degree. Familiarity with reading and interpreting aerial photographs and geologic and topographic maps. Ability to accurately collect, analyze, and interpret data from various information sources. Ability to write comprehensive technical reports. Ability to prioritize, organize, and handle heavy workloads with multiple deadlines. Ability to use sound judgment in decision-making. Strong interpersonal skills to develop good working relationships. Ability and willingness to effectively contribute and lead as part of a team. Proficiency in word processing and spreadsheet software. Must be able to conduct field work alone in wetlands in both rural and urban settings, some of which may be under adverse conditions (e.g. inclement weather, remoteness, and moderate physical exertion). Ability to travel overnight for up to one work week at a time. Must have a valid driver's license. Must be able to lift and manipulate field equipment and other items weighing up to 50 pounds over uneven terrain.

Preferred: Master's degree in geology, physical geography, or related discipline. Coursework in geomorphology, glacial geology, soil science, and/or sedimentology. Knowledge of the wetlands regulation process. Experience with field techniques and equipment. Experience with surveying and/or basic hand and power tools. Experience with graphics, geographic information systems, relational databases, and/or geodatabases.

This is a regular full-time 12-month position. The starting date is negotiable after the closing date. Salary is commensurate with experience.

Applications must be received by May 1, 2009. To apply, all candidates must submit an online profile through jobs.illinois.edu by the close of the posting period. Qualified candidates must upload a letter of application which details qualifications noted above, résumé, working e-mail address, and the names, addresses, phone numbers, and e-mail addresses of three professional references. All requested information must be submitted for your application to be considered.

For further information please contact:**Lori Walston, Human Resources - Illinois State Geological Survey - 217-244-2401**

www.isgs.illinois.edu

The University of Illinois is an Affirmative Action, Equal Opportunity Employer.

Visiting Environmental Assessments Specialist - Illinois State Geological Survey -Institute for Natural Resource Sustainability- University of Illinois at Urbana-Champaign

This position is based at our 203 West Curtis Road, Savoy, Illinois, location.

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We are seeking an individual(s) (up to two, depending on pool of applicants and programmatic need) to perform environmental site assessments and evaluate potential environmental hazards and risks for Illinois Department of Transportation infrastructure improvement projects.

Responsibilities: This position will involve conducting on-site inspections and interviews; collecting, reviewing, and evaluating site-specific historical, laboratory, geological, and environmental data; synthesizing and analyzing collected data; writing reports detailing the findings; and participating in other geologic/environmental research.

Qualifications: A background in the geosciences or environmental sciences with a bachelor's degree in geology, environmental science, engineering geology, civil or environmental engineering, physical geography, or related discipline. Individuals working toward a bachelor's degree may be considered, but the degree must be obtained by the starting date. Experience performing fieldwork. Ability to interpret maps. Ability to accurately collect, analyze, and interpret data from various information sources. Ability to evaluate potential environmental hazards and risks. Ability to write comprehensive technical reports. Ability to prioritize, organize, and handle heavy workloads with multiple deadlines. Ability to use sound judgment in decision-making. Strong interpersonal skills to develop good working relationships. Ability and willingness to effectively contribute and lead as part of a team. Proficiency in word processing, spreadsheet, and graphics software. Ability to work independently with off-site supervision. Ability to travel, including up to a work week of consecutive nights of overnight travel, and conduct field work, some of which may be under less than ideal conditions (inclement weather, remoteness, site security concerns, moderate physical exertion, heavy traffic). Must have a valid driver's license. Must adhere to the IDOT property assessment program health and safety plan, which includes having or acquiring 40-hour OSHA hazardous waste site worker training, followed by 8-hour annual refresher training, and undergoing annual physical examinations as part of the medical monitoring program for hazardous waste site workers (all provided at the expense of the project). Must be willing, with appropriate training, to work in areas of potentially unknown hazardous materials.

This is a temporary full-time 12-month position. Position may become a regular position at a later date depending on funding and programmatic need. The starting date is negotiable after the closing date. Salary is commensurate with experience.

Applications must be received by May 1, 2009. To apply, all candidates must submit an online profile through jobs.illinois.edu by the close of the posting period. Qualified candidates must upload a letter of application which details qualifications noted above, résumé, working e-mail address, and the names, addresses, phone numbers, and e-mail addresses of three professional references. All requested information must be submitted for your application to be considered.

For further information please contact: **Lori Walston, Human Resources - Illinois State Geological Survey -217-244-2401**

www.isgs.illinois.edu The University of Illinois is an Affirmative Action, Equal Opportunity Employer.

Post-doctoral position in experimental Petrology (2 years)

A Post-doctoral research scientist position in the broad area of experimental petrology / experimental mineral physics is available immediately for a term of two years at the Institut für Geologie, Mineralogie und Geophysik of the Ruhr-Universität Bochum. The position is available within the scope of the Interdisciplinary Research Program on Rheology of the crust [Sonderforschungsbereich (SFB) 526 supported by the German Science Foundation (DFG)].

The responsibilities will include performing experiments at high pressures and temperatures and participation in management of the laboratory resources. Skills related to electronic automation of controllers are particularly welcome.

We are equipped with several piston cylinder presses, a Walker type multi-anvil module, and hydrothermal pressure vessels in addition to several high temperature furnaces with controlled atmosphere. Analytical capabilities include an electron microprobe, scanning electron microscopes, cathodoluminescence, white light interference microscopy and accelerator based methods (e.g. RBS, PIXE) in addition to more routine chemical and crystallographic analytical procedures. Our research in the past has focused on measurement of diffusion coefficients, phase relations and various kinetic processes.

The Ruhr Universität strives to increase the number of women and international scientists and applications from this pool of

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applicants are particularly welcome. Applications may be directed to

Prof. Sumit Chakraborty (Sumit.Chakraborty@rub.de <mailto:Sumit.Chakraborty@rub.de>)
Institut für Geologie, Mineralogie und Geophysik,
Ruhr Universität Bochum,
Universitätstrasse 150
D-44801 Bochum
Germany

Salary will be in accordance with the TVL-13 pay scale of the German Tarif system. Applications will be received until April 30 or until the position is filled, whichever is later..

CRC - Stable Isotope Geochemistry

The GEOTOP research centre in geochemistry and geodynamics and the *Département des Sciences de la Terre et de l'atmosphère* of the Université du Québec à Montréal (UQAM) invite applications for a tenure-track faculty position for a Canada Research Chair Tier 2 in stable isotope geochemistry. The selected candidate will be presented to the Canada Research Chair Programme (www.chairs.gc.ca). Researchers who have obtained their doctoral degree less than ten years ago at the time of nomination and who are acknowledged by peers as having the potential to become a leader in their field of research are invited to apply.

Selection will be based on (i) the applicant's ability to develop original research programmes in stable isotope geochemistry, as demonstrated by his/her publication and funding records; (ii) his/her interest in the development, in collaboration with other GEOTOP researchers, of new long-term research programmes; (iii) his/her capacity to oversee the training of young researchers of all levels in stable isotope geochemistry and potential interdisciplinary applications. This search is therefore directed to applicants with experience in research and teaching who are willing to develop ambitious research programmes in stable isotope geochemistry (e.g. rare isotopologues). However, all applicants demonstrating an outstanding track record in stable isotope geochemistry (hydrological cycle, climate change, paleoceanography, environmental studies, etc) will be taken into consideration.

GEOTOP (www.geotop.ca) is principally located at UQAM and is an interdisciplinary research network with faculty members from UQAM, McGill University, Concordia University, UQAR, INRS-ETE and Université Laval. GEOTOP facilities include state-of-the-art laboratories in geochemistry of major and trace elements, noble gases, and isotopes (stable, radiogenic, and radioactive), in the analyses of biomarkers, biogenous residues, organo-mineral interfaces, the physical properties of sediments and of the lithosphere, also in geophysics and in numerical modeling.

The successful candidate will hold his/her teaching appointment at the *Département des Sciences de la Terre et de l'atmosphère* of UQAM, and will benefit from a reduced teaching workload (50%) during the first five years of service. A working knowledge of French is an asset. Applications from women and minorities are welcome.

Applications, including a letter outlining the applicant's career objectives, a proposed research programme for the next five years (approx. 5 pages), a detailed curriculum vitae, and the names and email addresses of three referees should be submitted before April 30, 2009. The selected candidate will be invited to prepare a dossier for submission to the Canada Research Chair Programme in autumn 2009. Assumption of duties will begin on June 1st, 2010.

Applications should be sent by email to - Mario Morin (geotop@uqam.ca), Chair of the Selection Committee

~ ~ ~ ~ ~ **HAVE A GREAT WEEK!** ~ ~ ~ ~ ~