Professor of Petrology at the University of Bern

The Institute of Geological Sciences at the University of Bern, Switzerland (www.geo.unibe.ch), invites applications for a professorship in metamorphic and/or igneous petrology. The position is open-rank and applications at all levels are invited. The level of appointment and salary will be commensurate with qualifications and experience. The anticipated starting date is 1 August, 2015.

The Institute is looking for a candidate with a record of creative research and a talent for teaching. The ideal candidate will combine field-based studies with experimental, analytical and theoretical approaches to address fundamental issues of petrogenesis. A willingness to collaborate in the Institute’s research activities into deep geothermal energy, structural geology, mineralogy, geochemistry and sedimentology is desired. The Institute is well equipped for modern petrological studies and is situated close to magnificent field exposures for teaching and research in the Alps.

The professorship carries responsibilities for leading a research group, for managing the Institute’s petrology laboratories, for teaching petrology at BSc, MSc and PhD levels (BSc in German and MSc in English), and for selected administrative duties within the Institute of Geological Sciences and the Faculty of Science. An appointee who does not already speak German is expected to learn the language in due course. For further information contact klaus.mezger@geo.unibe.ch.

The Institute wishes to increase its number of female professors. Women are therefore especially encouraged to apply.

Applications consisting of a CV, a publication list, copies of the 5 most important publications, a statement of past and future research interests, a list of acquired research funds, and a statement of teaching experience and teaching approach, together with the completed questionnaire (to be downloaded from www.geo.unibe.ch/profpetrology) should be sent preferably by email (pdf or zip) to info@natdek.unibe.ch or by mail to the Dean’s Office, Faculty of Science, University of Bern, Sidlerstrasse 5, CH-3012 Bern, Switzerland, by 15 February, 2014.

For more information visit: www.lyellcollection.org
Colorado School of Mines
Geology & Geological Engineering
Assistant/Associate Professor - Lithogeochemistry

Colorado School of Mines Department invites applications for an anticipated Assistant/Associate Professor position in the field of Lithogeochemistry to begin in August 2014.

The successful candidate will be expected to develop a strong and vibrant externally funded program and establish an international reputation through publication, in addition to teaching at the undergraduate and graduate levels, directing graduate research and supervising thesis projects. Candidates must possess a doctoral degree in geochemistry or a closely related discipline. The research interests should complement and support existing campus programs (e.g., crustal processes and ore deposit research, geothermal system research, unconventional resource research, and environmental geochemistry). Applicants must possess strong interpersonal and communication skills. Preference will be given to applicants who: Can teach courses in the geochemistry of earth materials, mineral exploration geochemistry, and analytical geochemistry; have experience with the minerals industry; have conducted research on the geochemical behavior of major and trace elements as well as isotopes in solid-rock geologic systems; or conduct research that complements and supports existing campus programs (e.g., crustal processes and ore deposit research, geothermal system research, unconventional resource research, and environmental geochemistry).

For the complete job announcement and directions on how to apply, visit:
http://inside.mines.edu/HR-Academic-Faculty

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Dodecahedral grossular crystal from Sierra de Cruces, Coahuila, Mexico. Photograph by Jeff Scovil from Excalibur’s exclusive Photographic Guide to Mineral Species CD.

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Savillex 446
SPECTRO 408
TSI 407

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Colorado School of Mines 480
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The physical strength of garnets during the intense deformation of rocks is helpful for the reconstruction of geodynamic processes. The images above show a garnet in a granulite facies mafic boudin that occurs enclosed in quartzite layers within amphibolite facies gneiss of the Lindaas nappe, W-Norway. The high resolution EDS map emphasizes the coronitic reaction texture, which indicates that the sample passed a cooling stage and left the garnet stability field (P < 14 kbar, T < 800 °C). The inset shows the associated detailed EBSD grain average misorientation map (garnet only) revealing the strong plastic deformation affecting the garnet (misorientation legend: from 0.1° in blue to 10° in red) during subsequent deformation. High temperature plastic deformation leaves the garnet’s major element chemistry nearly unaffected, thus in chemical disequilibrium with matrix grains.

In collaboration with Dr. Dirk Spengler, Potsdam University, Germany.

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