



Ostrava, February 2, 2018

POSITION ANNOUNCEMENT:

Postdoctoral Fellow Position in Experimental Rock Mechanics

An **one to two-year postdoctoral fellow position** in Experimental Rock Mechanics is available at the Institute of Geonics of the Czech Academy of Sciences in Ostrava, the Czech Republic, with starting date **1 July, 2018** (foreigners should start without undue delay after date of gaining their entry requisites).

The applicant should be Ph.D. in Rock Mechanics, Geomechanics, Solid Mechanics, Material Physics, Applied Mechanics or in other fields of Earth Science, Physical or Material Engineering.

The date of the Ph.D. graduation must **not be older than 2 years**. The maternity leave is not included in this two year period. Time spent on long-term scientific training abroad is also not taken into account. In such a case, the period from getting the Ph.D. title must not be longer than 4 years.

He/She is expected to work in the Rock Mechanics Laboratory, which has been equipped with modern MTS Multi-Purpose Rock Testing System. The servo-hydraulic system includes i.e. a high-capacity loading frame and a triaxial cell for compression and extension tests under high confining and pore pressure conditions.

Postdoctoral fellow will be involved in basic and applied research related to the projects focused on important environmental problems (e.g. utilization of deep geothermal energy, disposal of radioactive waste, clean technologies for mining of raw materials for energy use).

Candidates are sought who show an enthusiasm and passion for taking on challenging problems and are capable of producing original research of a quality appropriate for publication in scientific journals. The principal research tasks to be undertaken by the successful postdoctoral fellow will include (i) experimental study of the deformational or strength behaviour of rocks under wide spectrum of loading conditions, e.g. special triaxial conditions or uniaxial conditions including driven post-peak deformation, (ii) analysis of the behaviour with respect of composition and structure of rocks (iii) theoretical description of observed effects based on phenomenological models.

Suitable, highly-motivated candidates should send their electronic applications to the e-mail address **jiri.scucka@ugn.cas.cz**. This address can be also used for asking for further information if required.

The application documents should include: (i) a curriculum vitae, (ii) a cover letter describing interests and qualifications for the position and (iii) at least two letters of reference.

Applications should be sent **not later than 9 March, 2018** and will be reviewed immediately.

THE POSTDOCTORAL FELLOW POSITION IS SUBJECT TO OBTAINING THE FINANCIAL SUPPORT FROM THE PROGRAMME OF SUPPORT FOR PROMISING HUMAN RESOURCES OF CZECH ACADEMY OF SCIENCES (APPLICATION WILL BE SUBMITTED RELATING TO THE SELECTED CANDIDATE).

Ing. Josef Foldyna, CSc.
director of the Institute