



UNIVERSITÉ
DE GENÈVE

FACULTÉ DES SCIENCES

Department of Earth Sciences

Post doctoral position in

Risks and Uncertainties Evaluation of Geophysical Exploration Applied to Geothermal Drilling Projects

Roles and Responsibilities: The successful candidate is expected to work on a rigorous research program sponsored by the Swiss Commission of Technology Innovation on the quantitative evaluation and assessment of risks and uncertainties associated with geophysical exploration methods applied to geothermal energy projects. In this task, the candidate will have to work in a team formed by industry and colleagues from other research institutes.

The candidate will also participate in teaching and supervision of graduate students at both the master's and doctoral levels. In addition, the successful candidate is expected to participate to the activity of the Geo-Energy / Reservoir Geology and Basin Analysis and develop a strong community of subsurface geothermal geoscientists supporting both this high-profile applied scientific project while supporting other internal and external research projects, possibly of large and diverse nature.

Qualifications: Qualifications include a Ph.D. in an appropriate Earth science discipline from an accredited college or university in the past 5 years and a proven track record of hands-on analytical skills with handling risks and uncertainties related to subsurface projects. Demonstrated teaching experience is desirable but not required. The successful applicant will have an active, field-based and analytical research program that will complement existing strengths in applied geophysics, reservoir geology, reservoir engineering. Preference may be given to applicants with research interests in one or more areas including geothermal energy, applied geophysics, reservoir geology, reservoir engineering, geo-mechanic and quantitative basin analysis. Documented experience of teamwork and/or participation into integrated multidisciplinary projects, represent a plus in the selection process.

Place of work: Department of Earth Sciences, University of Geneva, Rue des Maraichers 13, 1205 Geneva, Switzerland

Expected start date: Nvember 1st, 2018 (can be discussed)

Terms of position: maximum two years; possible continuation after this mandate upon performance and funding availability.

Application procedure and closing date: Application materials must include a cover letter, curriculum vitae and contact information for three referees. Applications may continue until September 25th, 2018. Documents for applications should be addressed by e-mail to **Prof. Dr. Andrea Moscariello** (Andrea.Moscariello@unige.ch).

General information: the Department of Earth Sciences is part of the Section of Earth and Environmental Sciences (<http://www.unige.ch/sciences/terre/>) and includes an enthusiastic group of undergraduate, MSc. and PhD students and laboratory facilities in collaboration with the University of Lausanne, including XRF/XRD, electron microprobe/SEM laboratories, stable isotope, argon geochronology, ICP-MS, MC-ICP MS and a new SIMS and a wide range of geophysical acquisition technology. Geneva is an exceptionally international city, surrounded by spectacular geological and natural settings, located at the core of Europe. The University of Geneva is an equal opportunity educator and employer committed to excellence through diversity.