

POSTDOCTORAL POSITION ON ELECTROKINETICS IN EARTH SCIENCES

Institut de Physique du Globe de Strasbourg, Université Louis Pasteur, France

A postdoctoral position is available for 12 months.

Requirements : **non-French citizen, PhD from a non-French university**, less than 35 years old the December 31st 2007. Beginning of the position : between September 1st and December 31st 2007.

The Institut de Physique du Globe de Strasbourg is involved in several projects dealing with the electrical characterization of water flow in rocks. More particularly our projects for this postdoctoral position concern seismo-electric field investigation, streaming potential measurements in laboratory, and the interpretation/ inversion of Self-Potential observations.

The candidate for this postdoctoral position can be involved in one or several fields:

- Field measurements of the water-content response of the coseismic seismo-electric signal
- Multiscale signal processing of seismo-electric signals
- Laboratory investigation of the water-content dependence of the electrokinetic coupling coefficient and theoretical developments for its interpretation
- Interpretation of field Self-Potential observation by using joint inversion with electrical resistivity tomography and piezometric data.

Web site of the Institut de physique du globe de Strasbourg (team physique des roches and proche surface)

> <http://eost.u-strasbg.fr/IPGS/>

further information at : :

> <http://www-ulp.u-strasbg.fr/article.php/1/2/1-076-516-216/resources-for-foreign-researchers>

web site of the Ville de strasbourg:

> <http://www.strasbourg.fr/accueil>

for further details, contact : L. Jouniaux. Laurence.jouniaux@eost.u-strasbg.fr. Please include a Curriculum vitae and contact information for referees (with email addresses).