UNIL | Université de Lausanne

Postdoctoral Position in Environmental Geophysics

Introduction
The University of Lausanne (UNIL) is a leading international teaching and research institution with over 5000 employees and 17,000 students. As an employer, UNIL encourages excellence, individual recognition and responsibility.

Presentation
The UNIL Institute of Earth Sciences has an opening for a postdoctoral research scientist. We welcome highly motivated and talented applicants in environmental geophysics and related disciplines. We are particularly interested in candidates who can complement our growing research program in cryogeophysics, where we are using innovative 3D and 4D survey methods to study the dynamics and hydrology of Alpine glaciers. In this regard, candidates having a strong research focus in the following areas are encouraged to apply: (i) glaciology, with past experience with applied geophysical methods; (ii) 3D and 4D seismic data processing, with significant experience in code development and a desire to develop novel methods for the analysis of ground-penetrating radar data; (iii) inverse theory and computational geophysics.

Job information
Start date: 01.03.2022 (or to be agreed upon)
Contract length: 1 year, renewable 2 × 2 years, maximum 5 years
Activity rate: 100%
Workplace: Institute of Earth Sciences, Géopolis Building, UNIL-Mouline

Your responsibilities
75% of your time will be dedicated to your research;
25% of your time will be dedicated to the co-supervision of graduate and undergraduate student projects, as well as to providing teaching assistance for BSc and MSc level courses

Your qualifications
The successful candidate is expected to have a PhD in geophysics, glaciology, or a related quantitative Earth sciences discipline at the time of appointment. Excellent written and oral communication skills are essential. An advanced level in English is expected and working knowledge of French, although not required, is an advantage.

What the position offers you
Our institute has access to a wide range of state-of-the-art equipment and facilities, including multiple geophysical field instruments, GPU- and CPU-based computing resources, LiDAR instruments, and drones. We offer excellent working conditions in a multicultural, diverse, and dynamic academic environment. The region around Lausanne of one of great natural beauty providing a high quality of life and a multitude of outdoor and cultural activities.

Contact for further information
Dr. James Irving (james.irving@unil.ch)

Your application
Deadline: 20.11.2021

Your application should include (in PDF format):
- a cover letter describing your overall motivation for the position
- a statement of research interests (1 page)
- your curriculum vitae, including a list of publications
- copies of your university diplomas including grades
- the names and contact details of three referees

Only applications submitted through this website will be considered. Thank you for your understanding.