

PhD Student Position in Earth Surface Dynamics, Institute of Earth Sciences

Applications are invited for a PhD student position in the field of Earth surface dynamics at the University of Lausanne, Switzerland. The position is fully funded for three years with the possibility of extension for one additional year. The PhD research project will focus on the development and application of a novel thermochronological technique. Low-temperature thermochronology is the study and measurement of the time-temperature history of rocks during exhumation/cooling. Recently, we discovered a new thermochronologic method based on an electron trapping dating method, namely optically stimulated luminescence (OSL)-dating, which should open a new area of research in earth sciences, and especially in the field of Earth surface dynamics. The goal of the project is to further develop this new technique and assess its broad applicability. Field work will be conducted in the Alps, in the Zermatt area.

Applicants should have a Masters degree in geology, geography, geophysics, physics, chemistry or any related quantitative discipline. A strong command of written and spoken English is essential and, although not critical, an understanding of French is an advantage. Some experience in the laboratory would be preferable and programming skills a plus. The PhD research project will be supervised by Dr. Georgina King and Prof. Frédéric Herman. Our dynamic and rapidly growing research group possesses a brand new luminescence laboratory, access to cluster computing resources, and we are scenically located on the shores of Lake Geneva, a region of outstanding natural beauty offering an exceptionally high quality of life. For further information on our personnel and ongoing research activities, see: <http://www.unil.ch/iste>

Interested candidates should email their curriculum vitae, a cover letter outlining research experience and interests, along with the names and addresses of two referees by May 30, 2013 by email to Prof. Frédéric Herman (frederic.berman@unil.ch) and Dr. Georgina King (gek5@aber.ac.uk). Questions can be directed to Prof. Herman or Dr. King.