



JOIN US at LMS, EPFL!

The laboratory for Soil Mechanics (**LMS**) of the Swiss Federal Institute of Technology, Lausanne (**EPFL**) is looking for PhD candidates in the area of geo-technical engineering and environmental geotechnics for the project **BIOGEOS**. The project is supported by an Advanced Grant of the European Research Council, awarded to Prof. Lyesse Laloui. **BIOGEOS** (**BIO**-mediated **GEO**-material **S**trengthening) targets the establishment of innovative, sustainable processes within the traditional geo-technical practice. Among the techniques developed at LMS is that of bio-cemented geo-materials. The significant impact of **bio-cementation** ranges from the protection of infrastructures against earthquakes, liquefaction & poor quality of foundation soils to mitigating risks related to landslides and soil erosion. BIOGEOS aims to crystallize new knowledge into constant innovation and implement state-of-the-art advances in the fields of micro-structural inspection, numerical modelling and material characterization.

CANDIDATE PROFILE: A recent M.Sc. (or equivalent) degree in Civil or Environmental Engineering or other related field is required. Background in Geotechnical Engineering and Porous/Fluid mechanics is appreciated. Candidates are expected to demonstrate independent research and scientific reporting skills. Communication skills and teamwork attitude are a big plus. Selected candidates will be invited for an interview at EPFL.

CONDITIONS OF EMPLOYMENT: We are offering excellent research facilities and a competitive salary (55'000 CHF/year). The EPFL offers an outstanding international ecosystem full of training and development opportunities. We are looking for motivated and creative candidates ready to undertake experimental and numerical work within our team. Positions include part-time supervision of M.Sc. students and participation in teaching activities.

APPLICATIONS: The positions are open and candidates are urged to apply as soon as they can. Please contact Dr. Dimitrios Terzis (dimitrios.terzis@epfl.ch) for more information. Suitable candidates should send an e-mail including a cover letter describing interests and qualifications and a CV, as a single PDF.



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