

**Fully funded PhD position available in Geotechnical Engineering at  
University of Pavia (Italy)**



A fully funded 3-year PhD student position is about to open in the Geotechnics and Engineering Seismology group (<https://dicar.dip.unipv.it/it/ricerca/linee-gruppi-e-laboratori/unita-di-ricerca/geotechnics-engineering-seismology-geoes>) in the Department of Civil Engineering and Architecture (DICAr) of the University of Pavia (Italy).

**About the position**

The PhD opportunity is part of the project *DORIAN* (<https://dip05-unipvd9-d8cl3.prod.cineca.it/it/node/184>), awarded by the Italian Ministry of University (MUR) to the DICAr@UNIPV for its excellence. The goal of this important project is to study innovative techniques to improve digital modelling of the environment to design safe, resilient, and sustainable structures and infrastructure.

**About the Research Project**

Thanks to the development of modern advanced numerical techniques, the modelling of the whole landslide process has become possible today. Even though the capability of these comprehensive numerical techniques in large deformation analysis has been proven with many applications, yet few efforts have been devoted to developing landslide simulation tools addressing both the pre-failure and post-failure analyses. The candidate is expected to conduct research in the field of geomechanics. In particular, the research project will focus on the use of numerical modelling in landslide applications.

**Funding**

Funding is available for national and international students holding a Master's Degree (or International Equivalent) in Civil Engineering with a strong background in Geotechnics/Soil Mechanics.

**Requirements and Contacts**

Candidates with an academic background in numerical modelling of geotechnical problems and are interested to contribute to this pioneering project are greatly encouraged to email Professor Domenico Gioffrè ([domenico.gioffre@unipv.it](mailto:domenico.gioffre@unipv.it)) sending a cover letter explaining their motivation and suitability for the position, a Curriculum Vitae and the transcript of records.