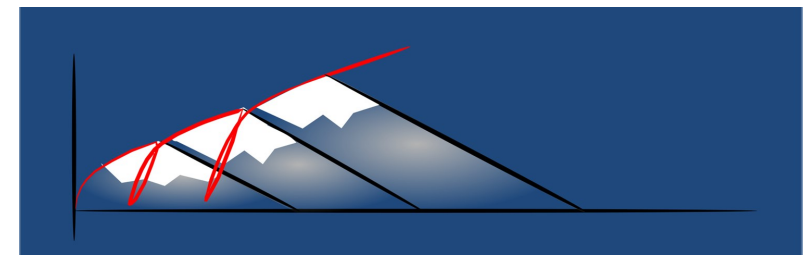




ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE



Laboratory of Soil Mechanics

The Laboratory of Soil Mechanics (LMS) is one of the laboratories within the School of Architecture, Civil and Environmental Engineering of the Swiss Federal Institute of Technology, Lausanne (EPFL). Under the direction of Prof. Lyesse Laloui and, with the collaboration of Prof. Alessio Ferrari, LMS have developed an internationally recognized expertise in fundamental and applied research activities related to near-surface geothermal energy system, nuclear waste storage, bio-improved soils, landslides analysis, shale gas behavior and CO₂ storage.



GETE Winter School

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2nd Winter School on GEOMECHANICS for ENERGY and the ENVIRONMENT

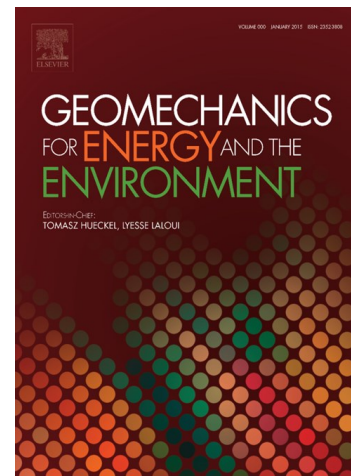
22nd-24th January 2019,
Villars-sur-Ollon,
Swiss Alps



The school

Following the success of last year, the Laboratory of Soil Mechanics (LMS) of EPFL is pleased to organize the 2nd edition of the **Winter School on Geomechanics for Energy and the Environment**, that will be held on January 22nd-24th 2019, in Villars-sur-Ollon, Switzerland. Geomechanics, Environment and Energy are increasingly related and contemporary themes. The goal of the school is to provide the participants with a deep understanding on selected topics in Geomechanics which are fundamental for applications related to Energy and the Environment.

This Winter School is organized in the framework of the international journal 'Geomechanics for Energy and the Environment'



Program

Morning lectures are scheduled in the first part of the day. Extended breaks are given to review the course material, to go skiing, or to enjoy the wonderful landscape of the Swiss Alps at Villars-sur-Ollon. Late-afternoon gatherings are foreseen for the second set of lectures of the day. Brainstorming evening sessions will be devoted to presentations from the participants to share ideas with the experts.

A visit to the Laboratory of Soil Mechanics (LMS) at the Swiss Federal Institute of Technology Lausanne (EPFL) is scheduled on Monday 21st of January 2019 (optional). At the end of the visit, a transfer service by bus is offered from the Swiss Federal Institute of Technology Lausanne (EPFL) to the venue of the Winter School.

List of lecturers:

Lectures are given by internationally renowned experts in the field:

Antonio Gens (UPC)
Geomechanics for nuclear waste disposal

Alessio Ferrari (EPF Lausanne)
Hydro-mechanical behaviour of shales and gas shales

Joseph Labuz (University of Minnesota)
Experiments on strength and softening response of rock

Lyesse Laloui (EPF Lausanne)
The Geomechanics of CO₂ sequestration

Kerry Rowe (Queen's University)
Barrier systems for limiting contaminant migration

Tomasz Hueckel (Duke University)
Evaporation, Drying, Cracking in Energy Geomechanics



Registration

The registration includes:

- visit to the Laboratory of Soil Mechanics at EPFL (optional);
- bus transport from EPFL to the venue;
- winter school attendance;
- hard-copy of the slides;
- welcome aperitif, 6 coffee breaks and 3 lunches.

Early bird registrations are open at:

<http://gete-school.epfl.ch>



Venue

The Winter School on Geomechanics for Energy and the Environment will be held in the beautiful landscape of Swiss Alps. Villars is a village in the heart of the Vaud Alps which offer an exciting ski area (Villars/Bretaye and Gryon and linked with Les Diablerets), snow-parks, sledging runs and several winter walking routes. In addition, it is near to the thermal baths in Lavey.



Organizers

Prof. Lyesse Laloui,
Prof. Alessio Ferrari
Ecole Polytechnique Fédérale de Lausanne

Contact

For further information please visit:
<http://gete-school.epfl.ch> or send an email to: gete-school@epfl.ch