

## Journal

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

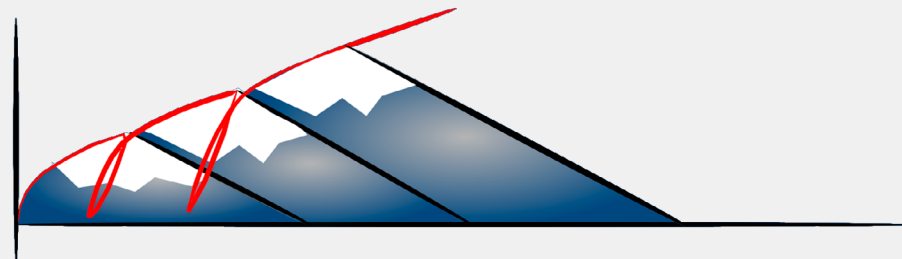
## Organizing committee

Directors

Prof. Lyesse Laloui  
Prof. Alessio Ferrari

Jinwoo Kim

Gianluca Speranza  
Angelica Tuttolomondo  
Wioletta Kucharska



**GETE WINTER SCHOOL**  
**3<sup>RD</sup> EDITION**

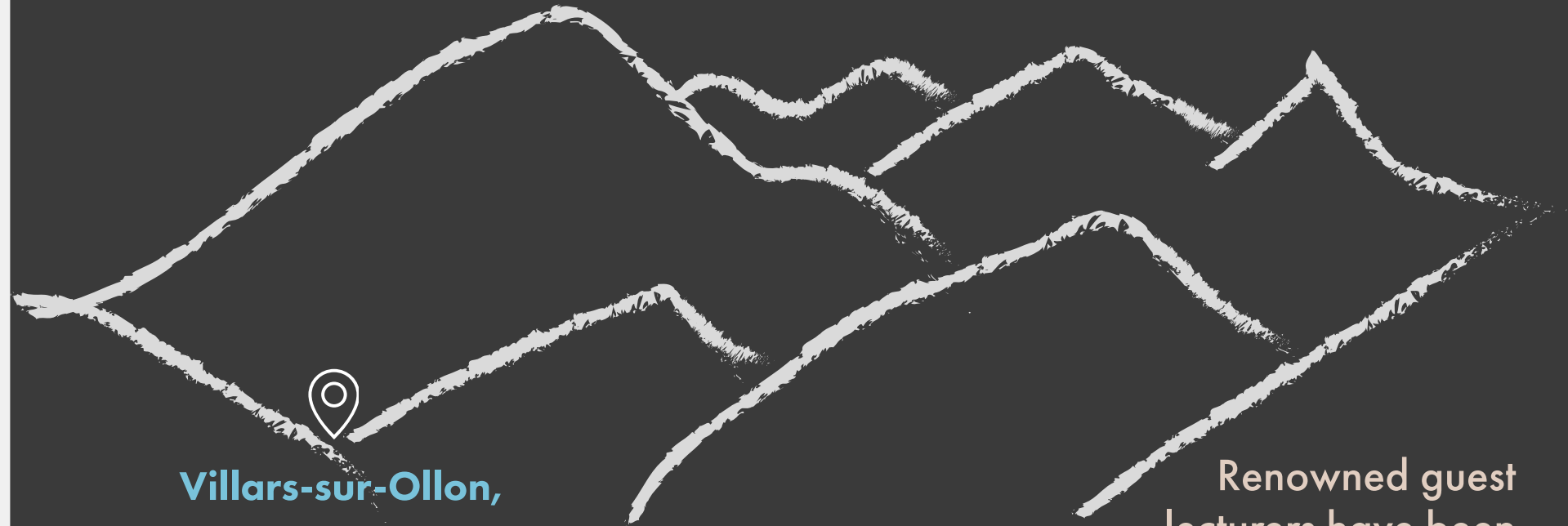
**EPFL**

# GETE

## WINTER SCHOOL

### 3<sup>rd</sup> EDITION

**WINTER SCHOOL  
ON  
GEOMECHANICS  
FOR ENERGY  
AND THE  
ENVIRONMENT**



**Villars-sur-Ollon,  
Switzerland**

**January  
21<sup>st</sup> - 23<sup>rd</sup>  
2020**

Renowned guest lecturers have been invited to present topics related to the field of geomechanics for the 3rd edition of the GETE Winter School.

# The School

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.

## Registration

Early bird registrations are now open until November 8th, 2019!

More information on the program and the venue can be found on the dedicated webpage:

[gete-school.epfl.ch](http://gete-school.epfl.ch)

## Contact

For any questions, please feel free to contact the e-mail address:

[gete-school@epfl.ch](mailto:gete-school@epfl.ch)

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## General information

We are pleased to announce the 3rd edition of the Winter School on Geomechanics for Energy and the Environment, which will be held on January 21st-23rd 2020, in Villars-sur-Ollon, Switzerland. Geomechanics, Environment and Energy are increasingly related and contemporary themes. The goal of the school is to provide 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*.

Lyesse Laloui and Alessio Ferrari  
Directors of the Winter School  
Swiss Federal Institute of Technology, EPFL

## Program

Lectures will be given on site during the first part of the day and extended breaks will be provided to review the course material, to go skiing, or to enjoy the wonderful landscape of the Swiss Alps in Villars-sur-Ollon. Late-afternoon gatherings are foreseen for lectures. **Evening sessions will be devoted to presentations from the participants to share ideas with the experts.** If you would like to share your work with the other attendees during the dedicated evening sessions, please send the title and abstract of your presentation to our dedicated e-mail address.

## The 2020 EPFL Distinguished lecture



Prof. Emmanuel Detournay  
University of Minnesota

Prof. Emmanuel Detournay has been awarded the 2020 EPFL Distinguished Lecture in Geomechanics for his significant contributions to the fields of hydraulic fracturing, drilling dynamics, and poroelasticity. The lecture is entitled *The role of scaling in geomechanics*.

## Lecturers

Lectures will be given by internationally renowned experts in the field:

Eduardo Alonso  
UPC Barcelona

Coarse Granular  
Materials: From Particle  
Behaviour to Large-Scale  
Structures



Jean Sulem  
ENPC ParisTech

Strain Localization  
and Instability  
in Geomechanics:  
Application to Seismic Slip



Russel Ewy  
Chevron USA

Shale Properties as  
a Function of Geologic  
Burial and Compaction



Tomas Hueckel  
Duke University

Multiphysics  
Degradation Processes,  
and Their Mitigation in  
Energy Geomechanics



Alessio Ferrari  
EPFL Lausanne

Thermo-Mechanical  
Behaviour of  
Geomaterials: Experiments  
and Modelling



Lyesse Laloui  
EPFL Lausanne

Multiphysical  
Processes in Bentonite-  
Based Materials

