

24-25 September 2018

RESEARCH & INNOVATION IN GEOTECHNICAL ENGINEERING

Establishing **common ground** for Swiss practitioners, researchers & innovators dealing with today's and tomorrow's biggest challenges in geotechnical engineering



DAY 2 - Conference

GUEST LECTURES:



Innovation Related to Slope Safety

Dr. Suzanne Lacasse, NGI, Oslo



Recent Thinking on Design for Situations dominated by Water Pressure

Dr. Brian Simpson, ARUP, London



LIST OF TALKS:

An innovative approach for soil compaction testing using micro-wave technology, Lombardi SA

«Seeing the big picture», innovative radar remote sensing for slope stability monitoring, Terrasense SA

High performance tracers to track subsurface fluids and assess reservoir properties, Haelixa SA

Soil bio-reinforcement in a series of geotechnical applications, MeduSoil LLC

JANSEN shark for geothermal systems: efficient, environmentally friendly and long term saving in operating costs, Jansen SA

Cased CFA – Combining the Advantages of Safe and Fast Pile Installation, Bauer SA

Application and capabilities of energy geostructures in present and future smart built environments, EPF Lausanne

Seismic Retrofit of Existing Bridges Taking Advantage of Nonlinear Soil Response, ETH Zürich

@ the Swiss Tech Convention Center, EPFL campus, Lausanne



for registrations and more information:

 <http://geotechnikschweiz.ch>

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DAY 1 – Short Course on Numerical Methods

Recent advances in numerical calculations of limit state / failure for geotechnical engineering – applications on excavation / diaphragm walls with anchor

Prof. Brice Lecampion

Experimental determination of behavioural models and their parameters – a critical step for every numerical simulation

Prof. Alessio Ferrari

In-situ measurements in geotechnical engineering - linking Theory and Practice

Dr. Azad Koliji

Geophysics for engineers: measurements and modelling

Prof. Marie Violay & Dr. Federica Sandrone

followed by Gala Dinner

@ the Swiss Tech Convention Center, EPFL campus, Lausanne



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