

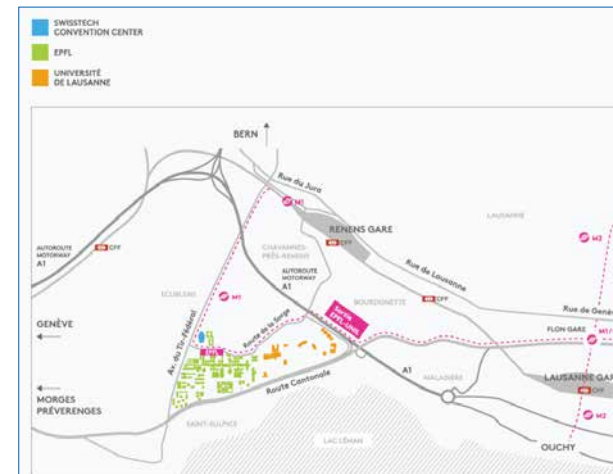
Please stamp

Geotechnik Schweiz
Géotechnique Suisse
Geotecnica Svizzera
c/o ETH Zürich
Postfach
8093 Zürich

Place of Event

SwissTech Convention Center
Quartier Nord de l'EPFL
Route Louis-Favre 2
1024 Lausanne
www.stcc.ch

Directions



By car

A1 Exit St. Sulpice

By public transportation

From Lausanne station with
métro M2 to Flon, then with M1
to EPFL (25 minutes)

Organization

Registration By e-mail to gs@igt.baug.ethz.ch
or by registration card.

Registration closing date: **7th September 2018**

The registration is valid as soon as the fee has been settled.

Fees CHF	Short Course	Conference	Gala Dinner
Members GS	200.00*	350.00*	130.00
Non-members	200.00	350.00	130.00
Students, doctoral candidates	50.00	120.00	80.00

*A discount of 50.00 each for short course and conference will be granted to the GS members on their next annual member fee.

Short Course: including document, coffee break
Conference: including documents, coffee breaks and lunch

Overnight Stay

Please book your overnight stay directly. You will find a list of hotels on our website.

Information Geotechnik Schweiz, Secretary's office
044 371 66 56
gs@igt.baug.ethz.ch
www.geotechnik-schweiz.ch

GS GEOTECHNIK SCHWEIZ
GÉOTECHNIQUE SUISSE
GEOTECNICA SVIZZERA

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

24-25 September 2018, SwissTech convention Center, EPFL

**INNOVATION DAY
IN GEOTECHNICAL
ENGINEERING**



Research and Innovation in
Geotechnical Engineering

+ Short Course «Numerical Analyses in
Geotechnical Engineering»

**with running translation during the conference day
and with technical exhibition**

FALL CONFERENCE 2018

Monday, 24th of September 2018

- > Short Course « Numerical Analyses in Geotechnical Engineering »
- > Gala Dinner, Hotel Palace Lausanne

Tuesday, 25th of September 2018

- > Conference « Research and Innovation in Geotechnical Engineering »

SwissTech Convention Center
Quartier Nord de l'EPFL
Route Louis-Favre 2
1024 Lausanne

Subject of the Concerence

«Research and Innovation in Geotechnical Engineering»

Research and innovation are fundamental requirements for the economic development of a specific field of expertise. In past decades, various new technologies were developed in geotechnics. For example, complex numerical methods, that were practically inconceivable in the prior generation, are broadly used nowadays. Nevertheless, our sector is not seen to be intensively pushing innovation forward. This is due to the fact that these creative solutions are not sufficiently being publicised.

In cooperation with the Swiss Institute of Technology (ETH), the Swiss Geotechnical Society is presenting a series of conferences in order to highlight the results of research, development and innovation in the field of geotechnics. A workshop dedicated to numerical simulations in geotechnics will be held the day before the event. This 2 day event, including a gala dinner, also offers an excellent opportunity to exchange opinions and develop new ideas in our field.

Short Course Program, 24th September 2018

- 13.30 **Official Welcome**
 13.45 **Recent advances in numerical calculations of limit state / failure for geotechnical engineering – applications on excavation / diaphragm walls with anchor (E)**
 Prof. Brice Lecampion, EPFL
- 14.30 **Experimental determination of behavioural models and their parameters – a critical step for every numerical simulation (E)**
 Prof. Alessio Ferrari, EPFL
-
- 15.15 Coffee Break**
-
- 15.45 **In-situ measurements in geotechnical engineering - linking Theory and Practice (E)**
 Dr. Azad Koliji, EPFL
- 16.30 **Geophysics for engineers: measurements and modelling (E)**
 Prof. Marie Violay & Dr. Federica Sandrone, EPFL
- 17.15 End**
- 19.00 **Aperitif and Gala Dinner at Lausanne Palace**
 Sponsor wanted

Sponsor of the Short Course is :
 BG Ingénieurs Conseils SA, Lausanne



Conference Program, 25th September 2018

- 09.30 **Begrüssung**
 Laurent Pitteloud, President Geotechnik Schweiz
- 09.40 **Welcome**
 Prof. Lyesse Laloui, Laboratoire de mécanique des sols,
 Prof. Brice Lecampion, Laboratoire de Géo-énergie,
 Prof. Marie Violay, Laboratoire de Mécanique
 Expérimentale des Roches, EPF Lausanne
- 10.00 **Slope Safety to save Lives. Innovation and Technological Advances (E)**
 Dr. Suzanne Lacasse, Norwegian Geotechnical
 Institute, Oslo
- 10.40 **Recent Thinking on Design for Situations dominated by Water Pressure (E)**
 Dr. Brian Simpson, Arup, London
-
- 11.20 Coffee Break**
-
- 11.50 **An innovative approach for soil compaction testing using micro-wave technology (E)**
 Dr. Roger Bremen, Lombardi SA
- 12.20 **« Seeing the big picture », innovative radar remote sensing for slope stability monitoring (E)**
 Dr. Andrew Kos, Terrasense Ltd
- 12.35 **High performance tracers to track subsurface fluids and assess reservoir properties (E)**
 Dr. Gediminas Mikutis, Haelixa SA
-
- 12.50 Lunch**
-
- 14.20 **Soil bio-reinforcement in a series of geotechnical applications (E)**
 Dr. Dimitrios Terzis, MeduSoil Ltd
- 14.35 **JANSEN shark for geothermal systems: efficient, environmentally friendly and long term saving in operating costs**
 Dietmar Alge, Jansen AG
- 14.50 **Cased CFA – Combining the Advantages of Safe and Fast Pile Installation (E)**
 Franz-Werner Gerressen, Bauer Maschinen GmbH
-
- 15.20 Coffee Break**
-
- 15.50 **Application and capabilities of energy geostructures in present and future smart built environments (E)**
 Dr. Alessandro R. Loria, EPF Lausanne
- 16.20 **Seismic Retrofit of Existing Bridges Taking Advantage of Nonlinear Soil Response (E)**
 Prof. Dr. Ioannis Anastasopoulos, ETH Zürich
- 16.50 **Final Word and End of Conference**

Registration Card

«Research and Innovation in Geotechnical Engineering»

+ Short Course «Numerical Analyses in Geotechnical Engineering»,

24. / 25. September 2018

Name, First Name _____ Member GS _____

Registration for:

Short Course, 24th September 2018, 13h30-17h15

Gala Dinner, 24th September 2018, 19h00

Conference, 25th September 2018, 9h30-17h00

Company and complete address:

E-mail _____

Date _____

Signature _____

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Please fill in one card per participant. We will send you an invoice.