

## Information

- Organisers:** SG Geotechnika a.s., Geologická 4, Prague 5, Czech Republic  
tel.: +420 725 045 270, e-mail: sarka.dvorakova@geotechnika.cz  
Charles University, Faculty of Science, Albertov 6, 128 43 Prague 2  
Czech and Slovak Society for Soil Mechanics and Geotechnical Engineering, FCE CTU Prague, Department of Geotechnics
- Under auspices of:** Institute of Theoretical and Applied Mechanics, Czech Academy of Sciences
- Organising committee:** Chairman: Ing. Zdeněk Sekyra  
Members: Ing. Jan Boháč, CSc., Doc. RNDr. David Mašín, Ph.D., Prof. Ing. Jana Frankovská, Ph.D., Mgr. Šárka Dvořáková, Doc. Ing. Alexandr Rozsypal, CSc.
- Registration fee:** Registration fee for early registration is 1500,-CZK (60 EUR) (Members of ČKAIT 1300,-CZK, 52 EUR)  
Late registration fee (after 30. 4. 2020) is 2000,- CZK (80 EUR).  
Monday 11 May Conference Dinner is subject to a fee of EUR 70 (1750,- CZK). The tickets are available on a first come, first served basis.
- Lunch:** Sandwiches will be provided during the lunch break on Monday 11 May 2020
- Proceedings:** Participants will obtain printed proceedings.
- Registration:** **Registration of participants is required on:**  
[www.geotechnika.cz/formular](http://www.geotechnika.cz/formular)  
(Alternatively filled-in registration forms should be sent to: Mgr. Šárka Dvořáková, e-mail: sarka.dvorakova@geotechnika.cz)  
**Deadline for early registration 30. 4. 2020.**  
Late registration is accepted, subject to the late registration fee.
- Payment:** Payment should be made by bank transfer; details are specified in the registration form.
- Commercial exhibition:** In the form of brochures, self-arranged posters or exhibition in Hall No. 205 – only on Monday 11 May 2020 from 8 am to 5.30 pm. More details on the exhibition are enclosed with the invitation in the Presentation Registration Form.
- Organising information:** Doc. RNDr. David Mašín, Ph.D., tel.: +420 221 951 552  
e-mail: masin@natur.cuni.cz

# PRAGUE GEOTECHNICAL DAYS 2020

## 28<sup>th</sup> PRAGUE GEOTECHNICAL LECTURE

Organisers:



SG Geotechnika a.s.



Charles University  
Faculty of Science



Czech and Slovak Society  
for Soil Mechanics and  
Geotechnical Engineering

under the auspices of the Institute of Theoretical and Applied Mechanics  
of the Czech Academy of Sciences

## 11 and 12 May 2020

Czech Academy of Sciences

Národní třída 3, Prague 1

and

Charles University, Faculty of Science

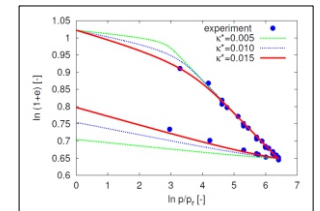
Albertov 6, Prague 2

Scientific committee:

Ing. Jan Boháč, CSc., Doc. RNDr. David Mašín, Ph.D.  
Charles University, Prague

This event with international participation is part of the ČKAIT (the Czech Chamber of Chartered Engineers and Technicians Engaged in Construction) continuing professional education project and is worth **two credit points**.

Commercial exhibition will accompany the event.



# PRAGUE GEOTECHNICAL DAYS 2020

**Monday, 11 May 2020**

Czech Academy of Sciences, Národní třída 3, Prague 1

- 8:30 – 9:00 Registration, commercial exhibition  
 9:00 – 9:15 Opening address  
*Ing. Zdeněk Sekyra, SG Geotechnika a.s.*  
*Prof. Jana Frankovská, CSSSMGE*

## INVITED LECTURES:

### Geotechnical Parameters - from Site Investigation to Design

- 9:15 – 9:50 **Parameter-Derivation for Advanced Geotechnical Design**  
*Prof. Lidija Zdravkovic, Imperial College of Science and Technology, UK*
- 9:50 – 10:25 **Investigation on the Seismic Slope Stability for Planned Lakes in Opencast Mines in the Rhenish Lignite Mining Area**  
*Prof. Torsten Wichtmann, Ruhr-Universität Bochum, Germany*
- 10:25 – 11:00 **Static Liquefaction in Tailings**  
*Prof. Mathew Richard Coop, University College of London, UK*
- 11:00 – 11:30 Coffee break, refreshment
- 11:30 – 12:05 **On the Use of Small Strain Stiffness in the Analysis of Soil-Structure Interaction**  
*Dr. Daniela Boldini, Sapienza University of Rome, Italy*
- 12:05 – 12:40 **Numerical Prediction of Performance of Pull-Out Test of Ground Anchors Utilizing In-situ and Laboratory Testing**  
*Prof. Helmut Schweiger, Gratz University of Technology, Austria*
- 12:40 – 13:40 Lunch break
- 13:40 – 14:15 **Processing of Data from Engineering Geological Survey: Machine Learning Approach**  
*Dr. Jakub Panuška, STU Bratislava, Slovakia*

- 14:15 – 14:50 **Cyclic Laterally Loaded Piles - Laboratory testing and Numerical Analyses**  
*Dr. Hendrik Sturm, Youhu Zhang, NGI, Norway*
- 14:50 – 14:55 **Quido Záruba Prize Ceremony**
- 14:55 – 15:10 **Presentation of Quido Záruba Prize Winner**
- 15:10 – 15:30 Coffee break

15:30 – 17:00

## 28<sup>th</sup> PRAGUE GEOTECHNICAL LECTURE

### Recent Developments in Laboratory Testing of Geomaterials with Emphasis on Imaging Processes

*Prof. Gioacchino Viggiani*  
*Université Grenoble Alpes, France*

18:30 Conference Dinner

## SPONSORS:



**Tuesday, 12 May 2020**

Charles University, Faculty of Science, Albertov 6, Prague 2

## WORKSHOP:

### 3D Experimental Micromechanics at the Grain Scale:

#### What for?

*Prof. Gioacchino Viggiani*  
*Université Grenoble Alpes, France*

- 9:00 – 9:30 Coffee, refreshment
- 9:30 – 12:00 Workshop followed by discussion