

## 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,  
Thákurova 7, 166 29 Prague 6, Czech Republic  
tel.: +420 221 951 552, e-mail: kubko.puncoska@gmail.com
- 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:** There is no registration fee for early registration, costs are covered by the organisers.  
Late registration fee (after 30. 4. 2018) is EUR 20 (520,- CZK).  
Monday 21 May Conference Dinner is subject to a fee of EUR 65 (1690,- CZK). The tickets are available on a first come, first served basis.
- Lunch:** Sandwiches will be provided during the lunch break on Monday 21 May 2018.
- Proceedings:** Participants will obtain printed proceedings.
- Registration:** Registration of participants is required.  
Filled-in registration forms should be sent to:  
Mgr. Šárka Dvořáková, e-mail: sarka.dvorakova@geotechnika.cz  
**Deadline for early registration 30. 4. 2018.**  
Late registration is accepted, subject to the late registration fee.
- Payment:** Payment (if relevant) 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 21 May 2018 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 2018

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

Organisers:



SG Geotechnika a.s.



Charles University  
Faculty of Science

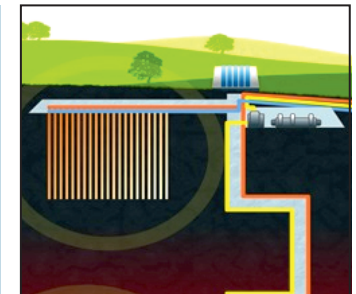


Czech and Slovak Society  
for Soil Mechanics and  
Geotechnical Engineering

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

## 17 and 21 May 2018

Charles University, Faculty of Science  
Albertov 6, Prague 2  
and  
Czech Academy of Sciences  
Národní třída 3, Prague 1



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 2018

**Monday, 21 May 2018**

Czech Academy of Sciences, Národní třída 3, Prague 1

## MORNING PROGRAMME

- 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:

#### Energy Geotechnics

- 9:15 – 10:00 **Energy Geotechnology: The Role of Geotechnical Engineers in the Energy Challenge**  
*Prof. Carlos Santamarina, KAUST, Saudi Arabia*
- 10:00 – 10:30 **Geo-Energy Applications Involving Heat Exchange with the Ground**  
*Prof. Marcelo Sanchez, Texas University, USA*
- 10:30 – 11:00 **Monotonic and Cyclic Lateral Loading of Wind Tower Foundations**  
*Prof. Giovanna Biscontin, University of Cambridge, UK*
- 11:00 – 11:30 **Coffee break, refreshment**
- 11:30 – 12:00 **Development and Modelling of an Adaptive Geothermal Energy Storage under and around Buildings**  
*Prof. Frank Wuttke, Kiel University, Germany*
- 12:00 – 12:30 **Utilization of Deep Geothermal Energy in the Czech Republic: Potential, Present State and Prospect**  
*Dr. Karel Pošmourný<sup>a</sup>, Dr. Miroslav Coubal<sup>b</sup>, Dr. Jan Valenta<sup>c</sup>*  
*<sup>a</sup>Geoterm CZ, <sup>b</sup>Institute of Geology CAS, <sup>c</sup>Charles University and IRSM CAS, Czechia*
- 12:30 – 13:00 **Deep Geothermal Energy Shaft**  
*Prof. Jana Frankovská, STU Bratislava, Slovakia*
- 13:00 – 14:00 **Lunch break**

## AFTERNOON PROGRAMME

- 14:00 – 14:30 **Discussion**
- 14:30 – 14:45 **Quido Záruba Prize Ceremony**
- 14:45 – 15:00 **Presentation of Quido Záruba Prize Winner**
- 15:00 – 15:30 **Break**

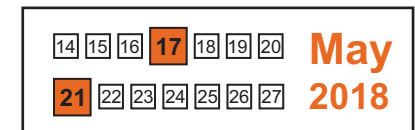
15:30 – 17:00

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

#### Environmental Geotechnics: Looking back, Looking forward

*Prof. R. Kerry Rowe*  
*Queen's University, Canada*

18:30 Conference Dinner



**Thursday, 17 May 2018**

Charles University, Faculty of Science, Albertov 6, Prague 2  
first floor, room 129 „M”

### SEMINAR:

#### Landfills I have known: the Good, the Bad & the Ugly

*Prof. R. Kerry Rowe*  
*Queen's University, Canada*

- 14:00 – 14:30 Registration
- 14:15 – 14:45 Coffee, refreshment
- 14:45 – 16:00 Lecture followed by discussion