

31<sup>st</sup> INTERNATIONAL CONFERENCE

# PRAGUE GEOTECHNICAL DAYS 2025

## ROCK MECHANICS IN ENGINEERING PRACTICE

**26 – 27 May 2025**

Czech Academy of Sciences  
Charles University, Faculty of Science

 **SG GEOTECHNIKA.**



UNIVERZITA  
KARLOVA

 **CSS|SMGE**

Under the auspices of the Institute of Theoretical  
and Applied Mechanics of the Czech Academy  
of Sciences.

Scientific committee:

prof. David Mašín  
prof. Ivo Herle  
Dr. Gianvito Scaringi

This event with international participation is part  
of 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 2025

**Monday, 26 May 2025**

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  
prof. Jana Frankovská, CSSSMGE  
prof. David Mašín, Charles University

## INVITED LECTURES Rock Mechanics in Engineering Practice

**9:15–9:50**      **The Challenges of "Hard Soil and Soft Rock": An Inside into the Behavior of This Transitional Material**  
prof. Thomas Marcher, Technische Universität Graz, Austria

**9:50–10:25**      **Geotechnical Characterization of the Tertiary Sediments in Munich and an Overview of the Large Infrastructure Projects**  
prof. Roberto Cudmani, Technische Universität Munich, Germany

**10:25–11:00**      **Improved Physical Understanding for Analysis of Wellbore Stability/Failure**  
prof. Gary Couples, Heriot-Watt University, Edinburgh, United Kingdom

**11:00–11:30**      **Coffee break**

**11:30–12:05**      **Rock Mass Characterization for Landslide Hazard Analysis: New Insights into Catastrophic Failure and Runout of Large Unstable Rock Slopes**  
prof. Jordan Aaron, ETH Zurich, Switzerland

**12:05–12:40**      **Unlocking Rockfall Magnitude-Frequency for Hazard Assessment through the Application of Close-Range Remote Sensing**  
Dr. Olga Mavrouli, University of West Attica, Athens, Greece

**12:40–13:40**      **Lunch break**

**13:40–14:15**      **Uncertainties in Engineering Characterization of Rock Masses and Negative Impacts of Poor Characterization**  
prof. Candan Gokceoglu, Cappadocia University, Turkey

**14:15–14:50**      **Using Numerical Modelling for the Design of Nuclear Waste Geological Disposal**  
prof. Frédéric Collin, University of Liège, Belgium

**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**      **31<sup>st</sup> PRAGUE GEOTECHNICAL LECTURE**  
**Advances in Numerical Design and Analysis of Underground Nuclear Waste Repositories**

prof. Lyesse Laloui, EPFL, Lausanne, Switzerland

**18:30**      **Conference Dinner**

**Tuesday, 27 May 2025**

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

**9:00–12:00**      **WORKSHOP**  
**Energy Geotechnology: A New Era for Geotechnical Practice**

prof. Lyesse Laloui, EPFL, Lausanne, Switzerland

**8:30–9:00**      **Registration, coffee, refreshment**

**9:00–10:15**      **Workshop – part 1**

**10:15–10:45**      **Coffee break**

**10:45–12:00**      **Workshop – part 2**

# Information

<b>ORGANISERS</b>	<p><b>SG Geotechnika a.s.</b>, Geologická 4, Prague 5, Czech Republic +420 725 045 270, <a href="mailto:konference@geotechnika.cz">konference@geotechnika.cz</a></p> <p><b>Charles University</b>, Faculty of Science, Albertov 6, 128 43 Prague 2</p> <p><b>Czech and Slovak Society for Soil Mechanics and Geotechnical Engineering</b>, FCE CTU Prague, Department of Geotechnics</p>
<b>UNDER AUSPICES</b>	Institute of Theoretical and Applied Mechanics, Czech Academy of Sciences.
<b>ORGANISING COMMITTEE</b>	<p>Chairman: Ing. Zdeněk Sekyra</p> <p>Members:</p> <p>prof. RNDr. David Mašín, M.Phil., Ph.D.    Mgr. Šárka Dvořáková prof. Ing. Jana Frankovská, Ph.D.        Mgr. Klára la Torre Univ.-Prof. Dr.-Ing. habil. Ivo Herle      Dr. Gianvito Scaringi, Ph.D.</p>
<b>REGISTRATION FEE</b>	<p>Early registration fee: 2 500, - CZK (100 €) Members of ČKAIT: 2 000, - CZK (80 €) Late registration fee: 3 000, - CZK (120 €) (after April 28, 2025)</p> <p>The Monday 26 May 2025 Conference Dinner is subject to a fee of 110 € (2 700, - CZK). The tickets are available on a first come, first served basis.</p>
<b>PAYMENT</b>	Payment should be made by bank transfer; details are specified in the Registration Form.
<b>LUNCH</b>	Sandwiches will be provided during the lunch break on Monday 26 May 2025.
<b>PROCEEDINGS</b>	Participants will obtain printed proceedings.
<b>REGISTRATION</b>	<p>Registration Form: <a href="http://www.geotechnika.cz/formular">www.geotechnika.cz/formular</a></p> <p>Alternatively, send an attached hard copy of the Registration Form: Mgr. Šárka Dvořáková, <a href="mailto:sarka.dvorakova@geotechnika.cz">sarka.dvorakova@geotechnika.cz</a></p> <p><b>Deadline for early registration is April 28, 2025.</b> Late registration is accepted, subject to the late registration fee.</p>
<b>COMMERCIAL EXHIBITION</b>	In the form of brochures, self-arranged posters or exhibition in Hall No. 205 – only on Monday 26 May 2025 from 8 am to 5.30 pm. More details about the exhibition will be sent with the invitation. Please see the Company Presentation Application Form.
<b>ORGANISING INFORMATION</b>	prof. RNDr. David Mašín, M.Phil., Ph.D., +420 221 951 552, <a href="mailto:masin@natur.cuni.cz">masin@natur.cuni.cz</a>