



# 5<sup>th</sup> International Seminar on Earthworks in Europe

20–22. 4. 2022  
Czech Republic, Prague

## 1<sup>st</sup> Announcement

# Welcome Word

With great pleasure we announce the 2022 International Seminar on Earthworks in Europe to be held in Prague, 20–22. 4. 2022. Seminar will be held in the Prague Congress Palace.

The 5<sup>th</sup> International seminar on Earthworks in Europe that will take place in Prague, Czech Republic in 2022 has for aim to promote good practice of earthworks in all kinds of civil engineering construction as well as to exchange information between professionals regarding planning, designing and constructing earth structures. New approaches and materials, construction risks, environmental aspects as well as great achievements in the field of earthworks will be discussed. This seminar follows up four previous similar events that were organised in Paris (2005), London (2009), Berlin (2012) and Madrid (2018). The seminar was originally planned for April 2021 but due to coronavirus restrictions was postponed to April 2022.

The seminar will be organised under the auspices of the Czech Road Society and Czech Chamber of Engineers.

We invite everyone interested in earthworks not only from Europe but also from other corners of the world to come to Prague and share their experience with others. Earthworks represent major share in time and costs in civil engineering constructions. Billions of cubic meters of soil and rock as well as secondary and artificial materials are moved and placed in earth structures every year. Our goal is earthworks conducted in high quality, quickly and environmentally friendly.

Prague is located in the very heart of Europe. It is the beautiful capital of the Czech Republic and has always been a landmark of European science and academic life. We believe that hosting this important event in Prague will inspire and boost the interest on earthworks in many parts of Europe and worldwide. It will strengthen and reinforce research and collaboration between the Western and the Central-Eastern European countries.

Prague is a city of stunning beauty and magnificent architecture, best of all the famous Charles Bridge which crosses the Vltava river ("Moldau"). Prague can be called one of the most captivating cultural heritages in the World.

Seminar will be held in the Prague Congress Palace with perfect and quick access by underground (metro) and with superb view of Prague panorama from the congress place.

We cordially invite you to Prague in 2022!



**Vítězslav Herle**

Scientific seminar chair



**Petr Mondschein**

Czech Road Society president

# 5<sup>th</sup> International Seminar of Earthworks in Europe

**Dates: from Wed 20 April  
to Fri 22 April 2022**

The official website [www.earthworks2022.org](http://www.earthworks2022.org) is being regularly updated and contains all the important information.

Feel free to contact us at [info@earthworks2022.org](mailto:info@earthworks2022.org) to obtain the information you need.

**Who Will You Meet  
at the Prague Seminar?**

Seminar sponsors and exhibitors will have direct access to top scientific, technical and business professionals from the earthworks field. The registration and scientific programme figures based on previous events tell us the following:

## Topics

The main discussed topics proposed:

- › Earthworks standards
- › Soil treatment
- › Alternative and special materials in earthworks
- › Soil reinforcement
- › Hydraulic fills
- › Earthwork failures



# Keynote Lectures and Lecturers



1

**TOPIC 1**  
**Earthworks standards**

**Jean-Pierre Magnan**  
Professor, IFSSTAR,  
FRANCE



2

**TOPIC 2**  
**Soil treatment**

**Daniel Puiatti**  
Consultant,  
FRANCE



3

**TOPIC 3**  
**Alternative and special  
material in earthworks**

**František Kresta**  
Associate Professor,  
Technical University of Ostrava,  
CZECH REPUBLIC



4

**TOPIC 4**  
**Soil reinforcement**

**Dov Leshchinsky**  
Emeritus Professor of Civil  
Engineering, University of Delaware,  
USA



5

**TOPIC 5**  
**Hydraulic fills**

**Mike Cambridge**  
Consultant,  
UNITED KINGDOM



6

**TOPIC 6**  
**Earthwork failures**

**Vítězslav Herle**  
Consultant,  
CZECH REPUBLIC



The Programme will be enrich by the inputs from the PIARC and its Technical Committee 4.3 Earthworks.

## Scientific Committee

### Chairman

Vítězslav Herle, Czech republic

### Members

Jana Frankovská, Slovak republic  
Jean-Pierre Magnan, France  
Daniel Puiatti, France  
František Kresta, Czech republic  
Dov Leshchinsky, USA  
Hans-Joachim Feuerborn, Germany  
Álvaro Parrilla Alcaide, Spain  
Peter Gilbert, Great Britain  
Petr Mondschein  
Pavel Šušák  
František Kresta  
Petr Kučera  
Jana Knechtová  
Tomáš Vacek

## Local Organizing Committee

Petr Mondschein  
Pavel Šušák  
František Kresta  
Petr Kučera  
Jana Knechtová  
Tomáš Vacek

## Seminar Partners



# Scientific Programme

## 20. April 2022

18:00–20:00 **Reception** (authors, speakers, representatives of exhibitors)

## 21. April 2022

08:00–10:00 Registration open

10:00–10:30 **Opening ceremony**

10:30–11:00 Coffee break

11:00–12:30 **Session 1: Earthworks standards**

12:30–13:30 Lunch

13:30–15:00 **Session 2: Soil treatment**

15:00–15:30 Coffee break

15:30–17:00 **Session 3: Alternative and special materials in earthworks**

19:00– Seminar dinner

## 22. April 2022

08:00–09:00 Registration

09:00–10:30 **Session 4: Soil reinforcement**

10:30–11:00 Coffee break

11:00–12:30 **Session 5: Hydraulic fills**

12:30–13:30 Lunch

13:30–15:00 **Session 6: Earthworks failures**

15:00–15:30 Closing ceremony

## 22. April 2022

### **Excursion (preliminary programme)**

Open pit coal mining region in NW Bohemia featuring visit to:

- Gothic church of Ascension of Virgin Mary from the old town of Most which was saved by shifting for 850 m;
- The Ervěnice corridor, over 100 m high earth fill between two mine pits carrying on its crest a motorway, a railway and a river;
- Chateau Jezeří, saved from destruction by diversion of the open pit mining front;
- The Komořany interchange, 100 thousand cu. m. of fly ash fill