



13TH INTERNATIONAL CONFERENCE

UNDERGROUND CONSTRUCTION PRAGUE 2016

3RD EASTERN EUROPEAN TUNELLING CONFERENCE

EETC 2016

MAY 23-25, 2016 | PRAGUE, CZECH REPUBLIC

2ND ANNOUNCEMENT

An event endorsed by



PREPARATORY COMMITTEE AND SCIENTIFIC COUNCIL



Chairman of the Preparatory Committee:

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Local Members:

Prof. Josef Aldorf - Technical University in Ostrava Prof. Jiří Barták – Czech Technical University in Prague Dr. Linda Černá Vydrová – Czech Technical University in Prague

Otakar Hasík - SAMSON PRAHA, spol. s r.o.

Dr. Eva Hrubešová – Technical University in Ostrava

Libor Mařík – HOCHTIEF CZ a.s.

Dr. David Mašín – Charles University in Prague

Miloslav Novotný

Dr. Tomáš Parák - Mott MacDonald CZ. s.r.o.

Dr. Jan Pruška – Czech Technical University in Prague

Dr. Markéta Prušková – Czech Tunnelling Association ITA-AITES, z. s.

Marcela Raitorová – GUARANT International, spol. s r.o.

Lukáš Rákosník – SATRA, spol. s r.o.

Dr. Alexandr Rozsypal

Dr. Pavel Růžička – HOCHTIEF CZ a.s.

Jiří Smolík

Martin Srb – 3G Consulting Engineers s.r.o.

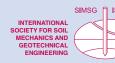
Boris Šebesta – Metrostav. a.s.

Dr. Richard Šňupárek – Institute of Geonics AS CR, v.v.i.

Dr. Karel Vojtasík – Technical University in Ostrava

Jaromír Zlámal - POHL cz. a.s.

SUPPORTING ORGANIZATIONS









LETTER OF INVITATION

The ITA-AITES Czech Tunnelling Association cordially invites you to 13th International Conference entitled "Underground Construction Prague 2016", which will be held in Prague, the capital of the Czech Republic, from 23rd to 25th May 2016. This is the largest Czech tunnelling conference, which is held regularly every three years. Past conferences, especially Underground Construction Prague 2010 and 2013, confirmed that the Prague conference thanks to its scientific programme, venue and social programme found a firm position among similar European conferences. This confirms the participation of distinguished European and international experts at each conference.

We hope that the attractiveness of the 13th International Conference Underground Construction Prague 2016 will be enhanced by connection with the 3rd Eastern European Tunnelling Conference (EETC 2016). The EETC is a biennial regional tunnelling conference. It aims to promote the sharing of knowledge, experience, skills, ideas and achievements in the design, financing and contracting, construction, operation and maintenance of tunnels and other underground facilities among the countries of Eastern Europe, on an organized basis and with agreed aims.

The conference will surely bring interesting information about the important constructions in the Czech Republic, as over 4 km long railway tunnel Ejpovice currently excavated by an EPB shield, upcoming project of the Prague metro line D or findings from the extraordinary constructions opened in Prague in 2015 – the Blanka road tunnel complex and extension of line A of the Prague metro. Our Slovak colleagues will give presentations inspired by the unprecedented scope of the existing tunnel excavations in the Slovak Republic. Many prestigious international projects will be presented, some of them are listed among Invited Lectures and Keynote Lectures.

The joint conference will be held at the Clarion Congress Hotel Prague and will include a technical exhibition and a poster session. The conference dinner will take place at the extraordinary and favorite environment of the Brevnov Monastery in Prague 6.

See you in our capital city of Prague which will welcome you in its blooming spring beauty.

Ivan Hrdina

Chairman of CzTA ITA-AITES

Dr. Alexandr Butovič

Chairman of the Preparatory Committee

Dr. Matouš Hilar

Chairman of the Scientific Council

CONTACTS

Secretariat of the Preparatory Committee

SATRA, spol. s r. o. Sokolská 32, 120 00 Prague 2 Czech Republic Phone: +420 296 337 181 Fax: +420 296 337 189 E-mail: ps2016@satra.cz

Czech Tunnelling Association ITA-AITES

Dr. Markéta Prušková Dělnická 12, 170 00 Prague 7 Czech Republic Phone: +420 702 062 610 E-mail: pruskova@ita-aites.cz Web: www.ita-aites.cz

Organising agency

GUARANT International spol. s r. o. Na Pankráci 17, 140 21 Prague 4 Czech Republic Phone: +420 284 001 444 Fax: +420 284 001 448 E-mail: ps2016@guarant.cz Web: www.ucprague.com

AUSPICES

The conference 'Underground Construction Prague 2016' is under the Auspices of the Councillor of Prague, Petr Dolínek.

GENERAL INFORMATION ABOUT THE CONFERENCE

Conference name: Underground Construction Prague 2016

Conference date: May 23–25, 2016

Conference venue: Clarion Congress Hotel Prague

Freyova 33, Prague 9 - Vysočany, Czech Republic

www.cchp.cz

Official languages: English and Czech/Slovak

simultaneous translation will be provided



The Clarion Congress Hotel Prague is a new modern hotel complex aimed at congresses and conferences. At the same time offers pleasant accommodation in comfortably furnished rooms, restaurant, bar and wellness center. Its advantage is an excellent transport accessibility – it is located directly at the metro station "Vysočanská" (line B), less than 15 minutes drive from the city centre. It has sufficient space in underground garages for guests arriving by car. Next to the hotel a shopping gallery Fénix can be found.

CONFERENCE SCHEDULE

Monday, May 23, 2016

- · Opening Ceremony
- 4 Keynote Lectures
- 2 parallel sessions on 8 topics
- Technical exhibition
- Poster session
- Conference dinner at the Břevnov Monastery

Tuesday, May 24, 2016

- 2 parallel sessions on 8 topics
- Technical exhibition
- Poster session

Wednesday, May 25, 2016

Technical excursions

KEYNOTE LECTURES

Petr Dolínek (Czech Republic) - Transport tunnels in Prague

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Viktória Chomová (Slovakia) – Contractual relationships for construction of Slovakian tunnels

Søren Degn Eskesen (Denmark, ITA president) – Copenhagen Metro Circle line and other Danish tunnelling projects

Prof. Bai Yun (China) - Tunnelling Activities in China

SCIENTIFIC PROGRAMME

1. CONVENTIONALLY EXCAVATED TUNNELS

Session chairs: Libor Mařík, Dr. Pavel Růžička

Invited lectures: Prof. Wulf Schubert (Austria) – Tunnelling in fault zones – problems and solutions

Martin Knights (United Kingdom) - Lessons learned from Crossrail and other current

London tunnelling projects

2. MECHANICALLY EXCAVATED TUNNELS

Session chairs: Boris Šebesta, Jiří Smolík

Invited lectures: Nasri Munfah (United States) – The Alaskan Way Tunnel Project: Technical Challenges and

Construction Update

James Rozek (United States) - Istanbul's Eurasia Tunnel Project

3. OTHER UNDERGROUND STRUCTURES AND REPOSITORIES

Session chairs: Dr. Richard Šňupárek, Dr. Linda Černá Vydrová

Invited lecture: Jan Sochurek, Daniel Švec (Czech Republic) – Prague system of collectors

4. GEOTECHNICAL INVESTIGATION AND MONITORING

Session chairs: Dr. Alexandr Rozsypal, Dr. Karel Vojtasík

Invited lectures: Steve Parry (United Kingdom) - Engineering geological model and its impact for preparation

and construction of large-scaled engineering project

Prof. Adam Bezuijen (Belgium) – Monitoring pressures and deformations around a TBM

5. NUMERICAL MODELLING, DEVELOPMENT AND RESEARCH

Session chairs: Dr. Eva Hrubešová, Dr. David Mašín

Invited lectures: Prof. Robert Galler (Austria) – DRAGON - Resource-efficient tunnelling using online

technologies

Prof. Giulia Viggiani (Italy) – Artificial Ground Freezing: engineering applications, testing,

and modelling

6. EQUIPMENT, OPERATIONAL SAFETY AND MAINTENANCE

Session chairs: Lukáš Rákosník, Dr. Tomáš Parák

Invited lecture: Bernhard Kohl (Austria) - Findings from the new PIARC Report "Experience with significant

incidents in road tunnels"

7. RISK MANAGEMENT, CONTRACTUAL RELATIONSHIPS AND FUNDING

Session chairs: Martin Srb, Otakar Hasík

Invited lectures: Heinz Ehrbar (Germany) – Tunnelling Works for the German Railways

Gerhard Harer (Austria) – Suez Canal crossings – soft ground tunnelling at the limits

8. HISTORICAL UNDERGROUND STRUCTURES AND RECONSTRUCTIONS

Session chairs: Dr. Jan Pruška, Miloslav Frankovský

Invited lecture: Valery Chekanau (Belarus) – Minsk metro – past and future

OTHER PARTS OF THE TECHNICAL PROGRAMME

Poster Section will be available for authors whose proposal has not been selected for oral presentation.

Technical Exhibition of the conference partners and other companies will be installed next to the session halls and in the conference floor foyer.

Technical Excursions to tunnel construction sites in Prague and its surroundings will be held on the third conference day.

Authors of selected proposals will be notified by 30 November 2015. The deadline for the completed paper including all pictures and graphical annexes and the abstract of 300-500 words must be submitted at the website www.ucprague.com no later than 31st January 2016. The paper must be prepared exactly according to instructions (template), otherwise it may be rejected by the conference organisers.

All accepted papers will be published in the electronic **Book of Papers** in English and will also include papers from the Czech and Slovak Republics in Czech or Slovak languages. At the same time a printed **Book of Abstracts** with abstracts in English and Czech or Slovak languages will be available.

SOCIAL PROGRAMME



The conference reception will be held at the Břevnov Monastery where refreshments and cultural programme will be provided. The reception is part of the registration fee for the conference. A ticket for an accompanying person can be purchased extra.

REGISTRATION

The registration of conference participants, accompanying persons, accommodation booking, technical excursions and social programme is now available online at the website **www.ucprague.com**.

Registration fees

| Fee | Early registration till 31st January 2016 | Standard registration till 31st March 2016 | Late registration from 1st April 2016 and onsite |
|---------------------|--|---|--|
| Delegate | 350 EUR / 9 500 CZK | 390 EUR / 10 500 CZK | 430 EUR / 11 500 CZK |
| Student* | 100 EUR / 2 700 CZK | 100 EUR / 2 700 CZK | 100 EUR / 2 700 CZK |
| Accompanying person | 80 EUR / 2 100 CZK | 90 EUR / 2 300 CZK | 90 EUR / 2 300 CZK |
| Reception only | 40 EUR / 1 000 CZK | 45 EUR / 1 200 CZK | 45 EUR / 1 200 CZK |

All prices include VAT.

The registration fee includes:

- · Admission to the scientific programme of the conference including a poster section and exhibition
- Conference materials including electronic Book of Papers and printed Book of Abstracts
- Attendance at the Reception
- Participation in the technical excursion
- Coffee breaks and lunches

The student fee includes:

- · Admission to the scientific programme of the conference including a poster section and exhibition
- Electronic Book of Papers and printed Book of Abstracts
- Participation in the technical excursion
- Coffee breaks

The accompanying person fee includes:

- Admission to the Opening Ceremony
- Participation at the Reception
- Guided tour in the historical centre of Prague
- · Half day excursion out of Prague by bus

^{*}A student ID must be presented



ACCOMMODATION

A number of hotels of various categories at reduced rates are available for participants of the conference. All hotels are located within reasonable distance from the conference venue, the Clarion Congress Hotel Prague.

Accommodation rates at the Clarion Congress Hotel Prague

| Standard room – price for booking until March 22, 2016 | 2 755 CZK |
|---|-----------|
| Executive room – price for booking until March 22, 2016 | 3 656 CZK |
| Standard room – price for booking from March 22, 2016 | 3 105 CZK |
| Executive room – price for booking from March 22, 2016 | 3 915 CZK |

All rates quoted are per room per night including breakfast and 15 % VAT.

Other hotels are available at the conference website www.ucprague.com.

Due to heavy demand and to the fact that distribution of rooms in many hotels will be limited, we advise you to book your accommodation as soon as possible.

A one-night deposit is required to guarantee the reservation. After the first night deposit is received, your hotel reservation will be confirmed by e-mail. The remaining amount has to be paid directly to the hotel upon check-in/out.

CANCELLATIONS AND REFUNDS

The Conference Secretariat must be notified by e-mail (ps2016@quarant.cz) or fax (+420 284 001 448) about the cancellation of the registration or accommodation. Telephone cancellation will not be accepted. The appropriate refunds will be made after the conference.

The following cancellation conditions apply:

Cancellation of registration

| Cancellations received by February 29, 2016 | full refund of the registration fee less 150 CZK administrative charge applies |
|--|--|
| Cancellations received from March 1 until April 30, 2016 | full refund of the registration fee less 50 % administrative charge applies |
| Cancellations received from May 1, 2016 | no refund |

Cancellation of hotel accommodation

| Cancellation before and on April 24, 2016 | full refund (less 150 CZK handling fee) | |
|---|---|--|
| Cancellation after April 24, 2016 | one night cancellation fee | |
| No show | one night cancellation fee | |

All refunds will be made in June 2016.



TERMS OF PAYMENT

Registration fee, social event, accommodation and other ordered services must be paid in CZK by bank transfer or credit card.

Please note that payment by bank transfer will only be accepted by 9th May 2016. After this date only payments by credit cards will be accepted (either by using the Online Payment System or by submitting the Credit Card Payment Authorization Form).

Accepted Credit Cards online: MasterCard/Eurocard, VISA, Diners Club and American Express.

Bank Transfers

| Bank name | Ceskoslovenska obchodni banka | |
|---------------------------|--|--|
| Bank address | Na Prikope 18, 110 00 Prague 1, Czech Republic | |
| SWIFT/BIC | CEKOCZPP | |
| Account name | GUARANT International spol. s r. o. | |
| Account number | 79353/0300 | |
| IBAN | CZ53 0300 0000 0000 0007 9353 | |
| Details of payment | 201604 (ID number on the Letter of Confirmation) | |
| Message for the recipient | participant's name | |

All payments made by bank transfer have to be net of all bank charges. The payer pays the bank charges of their bank, and the beneficiary pays the charges of their bank, if any.

TECHNICAL EXCURSIONS

The conference participants can choose from four site visits to the underground structures in and around Praque organised on Wednesday morning, 25th May.

Site visit A - TBM excavation of the tunnel Ejpovice / The maximum number of participants for Site Visit A is 40. Site visit B - Tunnels and landslide on the highway D8, repository Richard / The maximum number of participants for Site Visit B is 40.

Site visit C - Josef Regional Underground Research Centre / The maximum number of participants for Site Visit C is 20. Site Visit D - Main traffic control centre in Prague (Control of traffic including tunnels) / The maximum number of participants for Site Visit D is 20.

Application for the Site Visit

When registering, please tick the selected site visit on the on line registration form.

More details on the site visits will be published at the website www.ucprague.com and in the Conference Final Programme.

English interpretation of all excursions will be provided for foreign participants.









Umění spolupráce The Art of Partnership

Kvalita, přesnost a důslednost v každém detailu. Společná koordinovaná práce lidí desítek oborů a profesí. Schopnost řešit náročná zadání a odvaha hledat nová řešení. Je tohle umění? Možná ne. Jen to dobře umíme.

Quality, accuracy and consistency in every detail. The coordinated effort of professionals from many fields. The ability to solve problems and the courage to search for new approaches. Is this an art-form? Maybe. In either case we do it well.



www.metrostav.cz



Blanka Tunnel

section Prašný most – Špejchar Prague, Inner Ring Road

Považský Chlmec Tunnel Žilina, D3 Highway Žilina, Strážov – Žilina, Brodno



Traffic Infrastructure

Specialization on transport engineering projects is our core technology. We have a team of experienced engineers and we have the required production resources facilitating optimization of the projects according to the latest technological knowledge. Into the projects, we introduce qualification, expertise and experience from around the world, which are made available to us by our parent company HOCHTIEF AG. Sharing of experience and technological background within the group is one of our main competitive advantages.

HOCHTIEF CZ a. s.

Plzeňská 16/3217 150 00 Praha 5 Czech Republic tel.: +420 257 406 000 www.hochtief.cz





PARTNERS

Platinum Partners





Gold Partners







Silver Partners













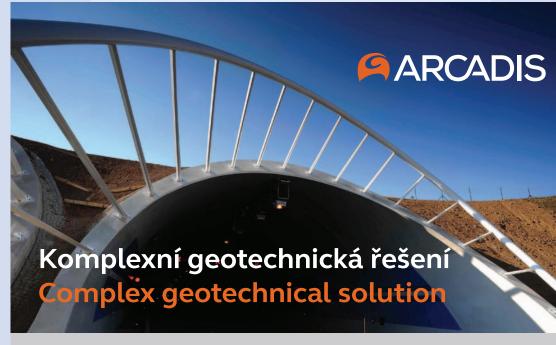








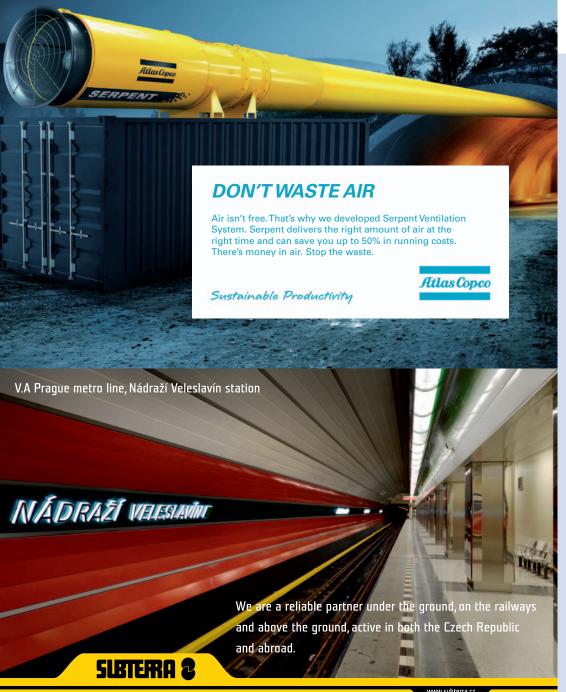




ARCADIS CZ a.s., divize Geotechnika, www.arcadis.com

Partner konference Podzemní stavby Praha 2016 Underground Construction Prague 2016 Conference Partner





| NOTES | |
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