



**UNDERGROUND
CONSTRUCTION**

PRAGUE 2013

12TH INTERNATIONAL CONFERENCE

UNDERGROUND CONSTRUCTION PRAGUE 2013

22–24 APRIL 2013 | PRAGUE, CZECH REPUBLIC

2ND ANNOUNCEMENT

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THE CONFERENCE "UNDERGROUND CONSTRUCTION PRAGUE 2013" IS UNDER THE AUSPICES OF THE MAYOR OF PRAGUE, ASSOC. PROF. BOHUSLAV SVOBODA.

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Prof. Bai Yun, *China*



LETTER OF INVITATION

The ITA-AITES Czech Tunnelling Association cordially invites you to 12th International Conference entitled „Underground Construction Prague 2013“, which will be held in Prague, the capital of the Czech Republic, from 22 to 24 April 2013. This is the largest Czech tunnelling conference, which is held regularly every three years. The ITA-AITES Slovak Tunnelling Association and world's leading experts as members of the Scientific Council are also involved in its preparation. The conference programme aims to reflect experience with preparation and implementation of all types of underground structures using both conventional and mechanized methods of excavation. Despite worsened global economic conditions, the Czech Republic is implementing and preparing significant underground structures, some are extraordinary in their scope and means of implementing. The largest tunnel construction – the Blanka tunnel complex at the Prague city ring with a length of 5.5 km is currently being completed. In full construction is an extension of the Prague metro route V.A, where earth pressure balance shields with diameter of 6 m are deployed, which sets out the sum over 8 km of railway tunnels. Construction of railway tunnels on IIIrd and IVth railway corridor is intensively prepared, out of which the most important tunnels are Chotýčany (4810 m long) and Ejovice (4150 m long). Construction of the last named tunnel should be initiated in 2012. Extraordinary prospective structures are the Prague metro line D, the new gas tank and the underground storage of radioactive waste. Better times for tunneling are coming to the Slovak Republic, with ongoing competitions for tunnels on the D1 highway (Višňové – 7.5 km long; Šibeník – 0.6 km long; Čebra – 2 km long). We believe that this conference will be as successful as in 2010, will bring a lot of interesting knowledge and enable participants to gain new contacts. The Czech Republic and in particular its capital city of Prague with its individual charm and many interesting sights is an ideal place for the conference as well as relaxation.

See you in Prague in April 2013!

Ivan Hrdina
Chairman of Cz-TA
Member of ITA-AITES Executive

Dr. Alexandr Butovič
Chairman of the Preparatory
Committee

Dr. Matouš Hilar
Chairman of the Scientific Council

CONTACTS

Secretariat of the Preparatory Committee of the Conference:

SATRA, spol. s r. o., Sokolská 32, 120 00 Prague 2, Czech Republic
Tel.: +420 296 337 181, fax: +420 296 337 189, e-mail: ps2013@satra.cz

ITA-AITES Czech Tunelling Association:

Miloslav Novotný – secretary, Dělnická 12, 170 00 Prague 7, Czech Republic
Tel./fax: +420 266 793 479, e-mail: ita-aites@metrostav.cz, web: www.ita-aites.cz

Organising Agency:

Guarant International spol. s r.o., Lenka Sliwková, Opletalova 22, 110 00 Prague 1, Czech Republic
Tel.: +420 284 001 444, fax: +420 284 001 448, e-mail: ps2013prague@guarant.cz



GENERAL INFORMATION ABOUT THE CONFERENCE

Conference name:	Underground Construction Prague 2013
Conference date:	22 to 24 April 2013
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, 22 April 2013

09:00–09:15	Opening Ceremony
09:15–10:45	Keynote Lectures I and II
10:45–11:15	Coffee break
11:15–12:45	Keynote Lectures III and IV
12:45–13:30	Lunch
13:30–15:30	Two Parallel Sessions
15:30–16:00	Coffee break
16:00–18:00	Two Parallel Sessions
19:30–23:00	Reception

Tuesday, 23 April 2013

08:30–10:15	Two Parallel Sessions
10:15–10:45	Coffee break
10:45–12:45	Two Parallel Sessions
12:45–13:30	Lunch
13:30–15:30	Two Parallel Sessions
15:30–16:00	Coffee break
16:00–18:00	Two Parallel Sessions

Wednesday, 24 April 2013

09:00–13:00	Technical Excursions
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KEYNOTE LECTURES

Right after the Opening Ceremony following keynote lectures will be given by prominent domestic and foreign experts:

Libor Mařík (Czech Republic):	Past and present of NATM in the Czech Republic
Ernín Stehlík (Czech Republic):	Prague Metro construction – past, present and future
Martin Knights (United Kingdom):	Technology and innovation in tunnelling
Heinz Ehrbar (Switzerland):	The law of large numbers in underground construction – Risk Management for Mega-Projects – Lessons learned from the Gotthard Base Tunnel

SCIENTIFIC PROGRAMME



1. URBAN TRANSPORT TUNNELS – DESIGN AND CONSTRUCTION

Session chair:	Boris Šebesta
Invited lectures:	Dr. Vojtech Gall (USA): Non-Disruptive Alternatives for Grade Separation Projects in Urban Settings Using Very Shallow Conventional Tunneling Dr. Davorin Kolic (Croatia): Urban Transport Tunnels in Underground Urbanism

2. NON-URBAN TRANSPORT TUNNELS – DESIGN AND CONSTRUCTION

Session chair:	Libor Mařík
Invited lecture:	Prof. Bai Yun (China): Trans-national railway under the Himalayas

3. OTHER UNDERGROUND STRUCTURES – DESIGN AND CONSTRUCTION

Session chair:	Dr. Richard Šňupárek
Invited lecture:	Prof. Wulf Schubert (Austria): Requirements for non-transport underground structures

4. GEOTECHNICAL INVESTIGATION AND MONITORING FOR UNDERGROUND CONSTRUCTION PROJECTS

Session chair:	Dr. Alexandr Rozsypal
Invited lecture:	Prof. Anthony Steven O'Brien (United Kingdom): Geotechnical Characterisation, Recent Developments and Applications



5. NUMERICAL MODELLING, DEVELOPMENT AND RESEARCH FOR UNDERGROUND CONSTRUCTION PROJECTS

Session chair: Dr. Jan Pruška

Invited lecture: Prof. Robert Galler (Austria): 3-dimensional numerical modelling in underground engineering – some remarks to the state of the art and actual research activities

6. EQUIPMENT, OPERATIONAL SAFETY AND MAINTENANCE IN UNDERGROUND STRUCTURES

Session chair: Lukáš Rákosník

Invited lecture: Bernhard Kohl (Austria): Safety in Road Tunnels - State of the Art

7. RISK MANAGEMENT, CONTRACTUAL RELATIONSHIPS AND FUNDING OF UNDERGROUND CONSTRUCTION PROJECTS

Session chair: Martin Srb

Invited lecture: Søren Degn Eskesen (Denmark): Construction Risk Management - New developments and case histories

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 September 2012. The deadline for the completed paper including all pictures and graphical annexes and the abstract of 300-500 words must be submitted at the ITA-AITES Czech Tunneling Association website www.ita-aites.cz no later than **1 December 2012**. 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 and accompanying persons and accommodation booking is now available online at the website of ITA-AITES Czech Tunneling Association www.ita-aites.cz.

Registration fees

Fee	Early registration till 15 January 2013	Standard registration till 28 February 2013	Late registration after 28 February 2013 and onsite
Delegate	9.500 CZK	10.500 CZK	11.500 CZK
Student*	2.000 CZK	2.000 CZK	2.000 CZK
Accompanying person	2.100 CZK	2.300 CZK	2.300 CZK
Reception only	1.000 CZK	1.200 CZK	1.200 CZK

All prices include VAT.

* A student ID must be presented

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 walk in the historical centre of Prague
- Half day excursion out of Prague by bus



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 21 February 2013	1 990,00 Kč
Executive room – price for booking until 21 February 2013	2 770,00 Kč
Standard room – price for booking from 22 February 2013	2 490,00 Kč
Executive room – price for booking from 22 February 2013	3 270,00 Kč

All rates quoted are per room per night including breakfast and 14 % VAT.

Other hotels are available at the conference website www.ita-aites.cz.

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 until 21 February 2013. Any reservation made after 22 February 2013 will be subject to availability although GUARANT International will make every effort to meet participants' requirements.

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 in writing about cancellation of your registration or hotel accommodation. The appropriate refunds will be made after the conference. The following cancellation conditions will apply:

Cancellation of registration

Cancellation before 15 January 2013	1 000 CZK cancellation fee
Cancellation between 16 January 2013 and 28 February 2013	4 200 CZK cancellation fee
Cancellation after 1 March 2013	100% cancellation fee

Cancellation of hotel accommodation

Cancellation before and on 19 March 2013	full refund (less 150 CZK handling fee)
Cancellation after 19 March 2013	one night cancellation fee
No show	one night cancellation fee



TERMS OF PAYMENT

Registration fees, social events, accommodation and other ordered services must be paid in CZK via credit card or bank transfer.

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
Account Number	79353/0300
Account Name	GUARANT International
SWIFT Code	CEKOCZPP
IBAN Number	0300 0000 0000 0007 9353
Details of payment	201309 / Your name

Please note that all bank charges must be fully covered by the participant. A copy of the bank transfer must be sent together with the Registration form to the conference secretariat.

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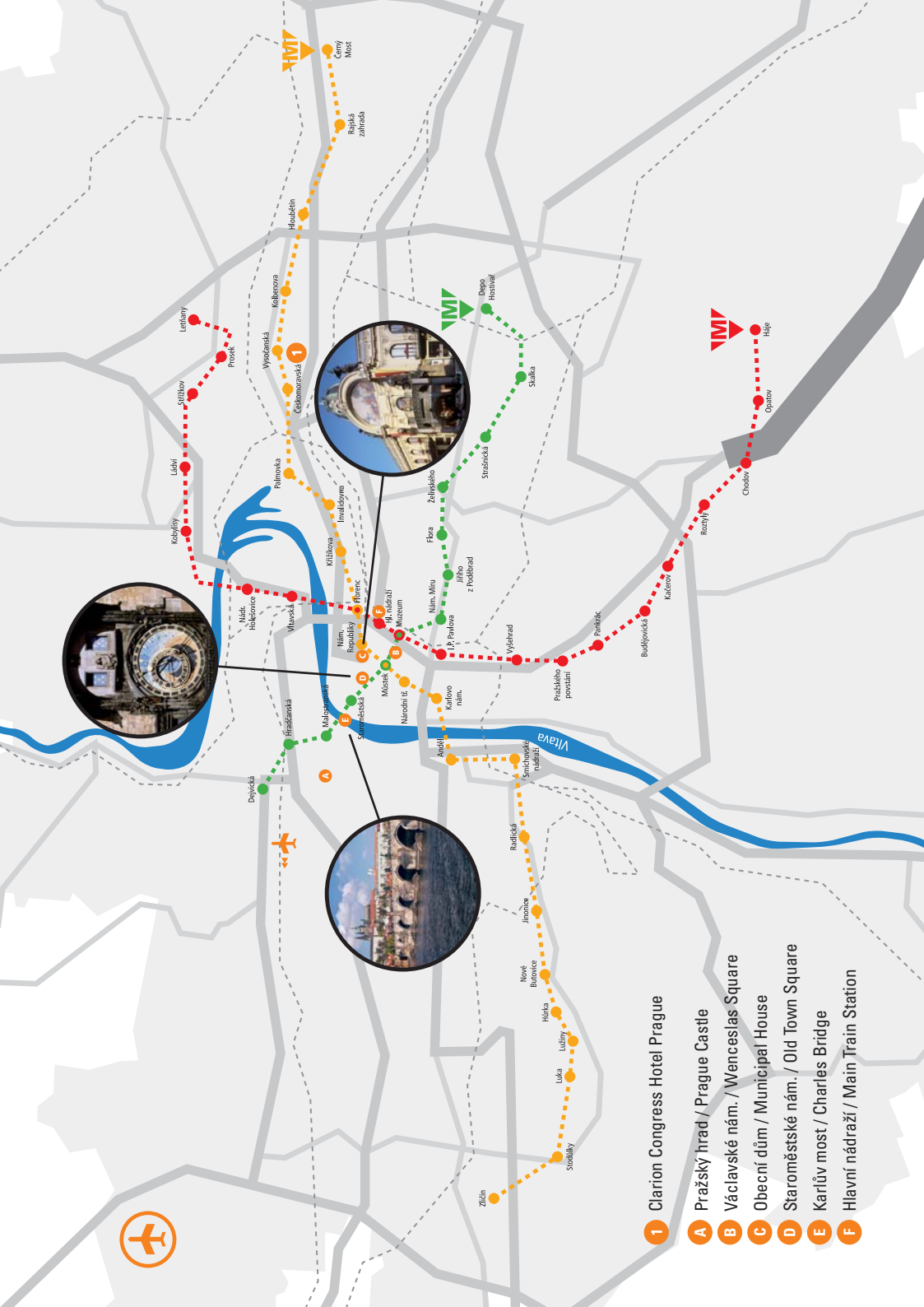


■ underground



■ in mines





1 Clarion Congress Hotel Prague

A Pražský hrad / Prague Castle

B Václavské nám. / Wenceslas Square

C Obecní dům / Municipal House

D Staroměstské nám. / Old Town Square

E Kariův most / Charles Bridge

F Hlavní nádraží / Main Train Station