

ORGANISATION

■ ORGANISERS

Univ.-Prof. Dipl.-Ing. Dr.-Ing. Thomas Marcher
Institute of Rock Mechanics and Tunnelling
Graz University of Technology

Univ.-Prof. Dipl.-Ing. Dr. mont. Robert Galler
Chair of Subsurface Engineering
Montanuniversität Leoben

■ LOCATION

Graz University of Technology
Rechbauerstraße 12, 8010 Graz
HS I, on basement floor

■ CONTACT

Ines Metzler, MSc
Institute of Rock Mechanics and Tunnelling
Graz University of Technology
Rechbauerstraße 12, 8010 Graz
Tel.: +43 316 873 8114
E-Mail: metzler@tugraz.at
Web.: www.austrian-tunnel-competence-center.at

■ PARTICIPATION FEES

Early-Bird (until incl. 31 st October 2023):	€ 240,-
Regular:	€ 280,-
Student*:	€ 49,-
Barbarafeier**:	free

The participation fees include the participation in the symposium, the conference documents, coffee, and lunch. The registration is only valid after payment of the participation fee. A refund of paid contributions is no longer possible, but a substitute participant can be named if desired.

*Only persons under 26 years of age who do not have a regular taxable income are considered "students" - no doctoral students. Proof of study must be enclosed with the registration.

**Separate registration via tunnel@tugraz.at required.

■ REGISTRATION

We ask for registration at:
www.austrian-tunnel-competence-center.at/registration-prices

■ SPONSORING

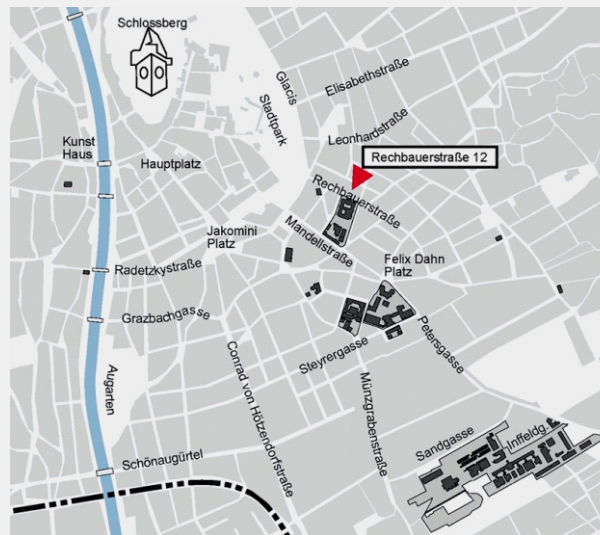
If you are interested in one of our sponsorship packages, please contact us by email or telephone.

■ HOTEL RESERVATION

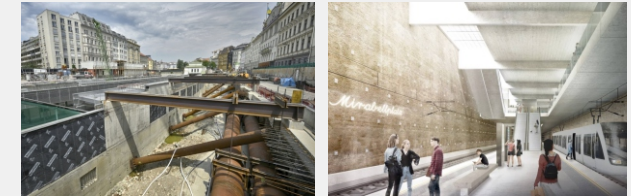
Participants are asked to book a hotel room themselves or through the Tourist Office Graz as early as possible. Further information at:

Web: www.graztourismus.at
Tel.: +43 316 8075 0
E-Mail: info@graztourismus.at

■ MAP



AT² Austrian Tunnel Competence Center



December 1st, 2023

Graz University of Technology
Rechbauerstraße 12, 8010 Graz

ATC² stands for Austrian Tunnel Competence Center and represents a platform for innovation and know-how transfer in the field of tunnel construction. Besides developments in the field of the traditional sequential excavation method NATM, continuous tunneling as well as special underground construction measures are also dealt with. Special challenges and innovations from deep-lying rock tunneling to urban (shallow) loose rock tunneling are considered.

Topic:
Shallow Tunnels, Subway Construction

SCHEDULE

FRIDAY, 01.12.2023

REGISTRATION & OPENING

- 08:00 Registration
- 09:00 Introduction to the symposium
- 09:15 Opening lecture: Above, below and beyond the mobility transformation in Graz
Fallast, K.
PLANUM Fallast & Partner

S-LINK SALZBURG

- 09:55 S-LINK Salzburg gains momentum
Greinmeister, A.
S-LINK
- 10:20 The soil investigations and soil mechanics insights for the underground construction of the S-LINK
Saurer, E.; Greinmeister, A.
Skava; S-LINK
- 10:45 S-LINK - tunnel construction in the city centre of Salzburg, challenges and solutions
Jedlitschka, G.; Kohlböck, B.; Eder, M.;
Greinmeister, A.
S-LINK
- 11:10 Coffee break

INTERNATIONAL PROJECTS I

- 11:40 Using various geotechnical techniques for challenging conditions at the WestLink project
Raja, S. U.; Landergren, H.; Thurner, R.
Keller Gründlagging AB
- 12:05 Grand Paris Express - a shallow urban tunnel with conventional method - a case study from Line 15 South
Cavagnet, S.; Mancinelli, L.; Midali, E.; Diallo, I.
Lombardi Ingegneria S.r.l.

- 12:30 Use of fiber-reinforced segments and cement-reduced annular gap mortar on the Grand Paris Express project
Khatchadourian, A.; Heim, A.
Implenia
- 12:55 Lunch break

TUNNELLING SPECIFICS OF METROS/SUBWAYS

- 14:25 Model-based representation of geological prognosis (un)reliability for shallow tunnels
Massimo-Kaiser, I.; Salzgeber, H.; Flora, M.
University of Innsbruck
- 14:50 Line crossing U2xU5 construction sections U2/17 to U2/21 - experience gained to date from tunnel excavation works
Schweiger, H.; Wäger R.
Wiener Linien
- 15:15 Coffee break

INTERNATIONAL PROJECTS II

- 15:45 Assessing potential building damage caused by leakage to urban tunnels
Langford, J.; Ritter, S.; Lysdahl, A. K.;
Anes, E. W.; Piciullo, L.
NGI
- 16:10 Large highway tunnels under operating metro lines in the soils of Santiago - design and control approach
Toledo, M.; Cárcamo, V.; Silva, D.
Skava Consulting SA

- 16:35 Melbourne Metro Tunnel Project - novel design and construction approach for major station caverns
Lagger, H.; Sainsbury, D.; Sainsbury, B.-A.;
Storry, R.
ARUP
- 17:00 Closing words

BARBARA CELEBRATION

- 19:00 Start
All participants of the ATC² are warmly invited to join the barbara celebration of the Institute of Rock Mechanics and Tunnelling.

A separate registration at www.tugraz.at/institute/fmt/events-1/barbarafeier-2023 is kindly requested for organisational reasons.

