

Registration

The fee for participation amounts to 175 € including value added tax. For private individuals and public employees 150 € and for students and retired persons 60 € will be charged. The publication of the lectures in a volume of the series WBI Print, lunch and coffee breaks are included. Please observe the general conditions under www.felsmechanik.eu. The Symposium will be held in German. Simultaneous translation from German to English will be provided. If required, simultaneous translation from German to Spanish is also possible.

Name: _____

Company: _____

Tel.: _____

E-Mail: _____

Address: _____

Evening shuttle to the ICE train station Mannheim

(additional charge 5 €): yes: no:

Date: Signature/Stamp:

Registration should be made until April 20, 2020,

via fax: +49 6201-2599-110,
via E-Mail: wbi@wbionline.de
or via www.felsmechanik.eu

Venue:

WBI-Center, Im Technologiepark 3, 69469 Weinheim (Bergstraße)
Travel information: www.wbionline.de

www.felsmechanik.eu

6th Rock Mechanics & Tunneling Day WBI-Center, Weinheim (Bergstraße), Germany 07.05.2020

**Rock mechanical aspects of the Railway Project Stuttgart - Ulm
and other national and international projects**



The 6th Rock Mechanics & Tunneling Day will be organized by WBI Consulting Engineers together with the German Railway Organization for the Project Stuttgart-Ulm and the Civil Engineering Section of the Engineering Association of Württemberg. Lectures on subjects of the Railway Project Stuttgart-Ulm and other major projects will be presented by representatives of owners, contractors, consulting engineers and experts.

We are looking forward to welcoming you in Weinheim on May 2020.

The Advisory Board

Dipl.-Kfm. Gerd-Dietrich Bolte, *DB Netz AG*
Dipl.-Ing. Klaus Hofmann, *Landeshauptstadt Stuttgart*
Dr.-Ing. E.h. Martin Herrenknecht, *Herrenknecht AG*
Dipl.-Ing. Walter Kubick, *Hochtief Infrastructure AG*
Dipl.-Wirt.-Ing. Manfred Leger, *DB Projekt Stuttgart-Ulm GmbH*
MR Prof. Dr.-Ing. Gero Marzahn, *BMVI*
Dr.-Ing. Marcus Schenkel, *DB Netz AG*
Dipl.-Ing. Rainer Rengshausen, *Porr Bau GmbH*
Management of the *WBI GmbH*

www.felsmechanik.eu

Program

8:15 – 9:00 Registration

9:00 – 9:20 Welcoming Address

WBI, VDI, Stadt Weinheim

9:20 – 10:30 Opening session

Chair: *MR Prof. Dr.-Ing. Gero Marzahn, Leiter des Referates StB 17, Bundesministerium für Verkehr und digitale Infrastruktur*

9:20 **Invited lecture**

Dipl.-Kfm. Jens Bergmann, Vorstand Netzplanung und Großprojekte, DB Netz AG

"Mobility, Environment, CO2-Reduction – The Role of the German Railway"

9:40 **Overview lecture Stuttgart-Ulm**

Dipl.-Wirt.-Ing. Manfred Leger, Vorsitzender der Geschäftsführung, DB Projekt Stuttgart-Ulm GmbH

"Status of Design and Construction of the Project Stuttgart – Ulm"

10:00 **Award of Walter-Wittke-Prize 2020**

10:15 **Lecture of awardee 2020**

10:30 – 11:00 Coffee break

11:00 – 12:15 Stuttgart 21

Chair: *Dr.-Ing. E. h. Martin Herrenknecht, Vorstandsvorsitzender, Herrenknecht AG*

Dipl.-Ing. Olaf Drescher, Technischer Geschäftsführer, DB Projekt Stuttgart-Ulm GmbH
"From Civil Construction to Slab Tracks and Signalling for the Railway in Stuttgart"

*Dr.-Ing. Martin Wittke, Dipl.-Ing. Hans-Joachim Küpper, WBI GmbH,
Dipl.-Ing. Günter Osthoff, Projektleiter Technik PFA 1.2/1.6 (I.GV(2)), DB PSU GmbH,
Dipl.-Ing. Andreas Rath, Techn. Geschäftsführer, Projektleiter, Arge ATCOST 21*
"Undercrossing of Railway Tracks under operation in Untertürkheim – small overburden, vault in river gravel"

*Dipl.-Ing. Andreas Rath, Techn. Geschäftsführer, Projektleiter, ATCOST 21,
Dipl.-Ing. Günter Osthoff, Projektleiter Technik PFA 1.2/1.6 (I.GV(2)), DB PSU GmbH,
Dr.-Ing. Patricia Wittke-Gattermann, Dipl.-Ing. Ralf Druffel, WBI GmbH*
"Full face excavation of large cross sections in leached gypsum keuper underneath buildings and comparison with sidewall headings"

12:15 – 13:30 Lunch break

13:30 – 15:10 Fundamentals

Chair: *Dipl.-Ing. Walter Kubick, Geschäftsleiter Deutschland, Hochtief Infrastructure GmbH*

*Prof. Dr.-Ing. Walter Wittke, WBI GmbH,
Dr.-Ing. E. h. Martin Herrenknecht, Vorstandsvorsitzender, Herrenknecht AG*
"TBM-Headings in Sand-, Clay-, and Siltstones – Conditioning and Clogging"

*Prof. Dr.-Ing. Christian Moormann, Dipl.-Ing. Patrik Buhmann, Universität Stuttgart, Institut für Geotechnik,
OAR Wolf-Dieter Friebel, Bundesministerium für Verkehr und digitale Infrastruktur*
"Hydrogeothermal Installations in German Road Tunnels – potentials, concepts and pilot project"

*Dipl.-Ing. Günter Osthoff, Projektleiter Technik PFA 1.2/1.6 (I.GV(2)), DB PSU GmbH,
Dr.-Ing. Martin Wittke, Dipl.-Ing. Dieter Schmitt, WBI GmbH*
"10⁻⁷ – 10⁻¹⁰ m/s: Goal achieved – Successful completion of the grouting works in anhydritic rocks for the tunnels of Stuttgart 21"

Prof. Dr.-Ing. Karsten Körkemeyer, Technische Universität Kaiserslautern
"Low-viscous acrylate gels for aerial and permanent sealing of anhydritic rocks. Expert opinion on controversially discussed issues"

15:10 – 15:40 Coffee break

15:40 – 17:40 National and International Tunnel and Underground Construction

Chair: *Dipl.-Kfm. Gerd-Dietrich Bolte, Leiter Großprojekte Mitte, DB Netz AG*

Dipl.-Ing. Jörg Ritzert, Leiter NBS Rhein/Main – Rhein/Neckar, DB Netz AG
"New High-Speed Railway Line Frankfurt Mannheim. Status of Planning"

Dr.-Ing. Thomas Lautsch, Geschäftsführer, BGE
"Geotechnical Engineering for recovery of radioactive waste from the mine Asse II"

*Dipl.-Ing. Erwin Scherer, Global Head Tunneling, Implenia,
Dipl.-Ing. Olivier Boeckli, Président Directeur Général, Alexander Heim, Implenia France SA*
"GPE – Grand Paris Express, Overview about the Project – Challenges for Tunneling"

BDir. Martin Zeindl, Autobahndirektion Südbayern, ZGT
"Experience made during Construction of Tunnels Auberg and Bertoldshofen"

*Dipl.-Ing. Michael Müller, Sen.-Projektleiter, Hochtief Infrastructure GmbH,
Dipl.-Ing. Jens Classen, Sen.-Projektmanager, Implenia Construction GmbH*
"2. Main Rapid Transit Train Munich, VE 41 Marienhof. A project of challenges in the heart of Munich"

17:40 Closing remarks

17:50 Departure shuttle to ICE train station Mannheim