

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: _____

Date: _____ Signature/Stamp: _____

Registration should be made until April 26, 2019,

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

WBI GmbH
Im Technologiepark 3
69469 Weinheim (Bergstraße)
www.wbionline.de

Distance/Traveling time by car:

Frankfurt Airport: ~65 km (~40 Min.)
Mannheim HBF: ~17 km (~20 Min.)
Heidelberg HBF: ~22 km (~20 Min.)
Weinheim BF: ~ 2 km (~ 5 Min.)



5th Rock Mechanics & Tunneling Day WBI-Center, Weinheim (Bergstraße), Germany 23.05.2019

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

The 5th 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.

The topics are considered to be interesting for professionals, which have a special interest in rock mechanics and tunneling.

We are looking forward to welcoming you in Weinheim on May 23, 2019.



Advisory Board:

Dipl.-Ing. Claus-Dieter Hauck, *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*
Dipl.-Ing. J. Johannes Wenkenbach, *PORR AG*
Management, *WBI GmbH*

Program

8:15 – 9:00 **Registration**

9:00 – 9:20 **Welcoming Address**

WBI, VDI, Stadt Weinheim

9:20 – 10:30 **Invited chair**

*Chair: MR Prof. Dr.-Ing. Gero Marzahn,
Bundesministerium für Verkehr und digitale Infrastruktur*

9:20 – 9:40 **Invited lecture**

9:40 – 10:00 **Overview lecture**

*Dipl.-Wirt.-Ing. Manfred Leger, Vorsitzender der Geschäftsführung,
DB Projekt Stuttgart-Ulm GmbH*
**"Status of planning and construction of the railway project
Stuttgart-Ulm"**

10:00 – 10:15 **Award of Walter-Wittke-Prize 2019**

10:15 – 10:30 **Lecture of awardee 2019**

10:30 – 11:00 **Coffee break**

11:00 – 12:15 **Fundamental issues**

Chair: Dipl.-Ing. Johannes Wenkenbach, PORR AG

Dipl.-Ing. Heinz Ehrbar, DB Netz AG

"Major infrastructure projects - key factors for success"

Dr.-Ing. Martin Herrenknecht, Herrenknecht AG

"Innovations in machine tunneling"

Prof. Dr.-Ing. Walter Wittke, Dr.-Ing. Bettina Wittke-Schmitt, WBI GmbH

**"The AJRM - basis for a safe and economic design and construction in jointed
anisotropic rock mass"**

Discussion

12:15 – 13:30 **Lunch break**

13:30 – 15:10

Rock Mechanics, Tunneling and Mining

Chair: Dipl.-Ing. Claus-Dieter Hauck, Landeshauptstadt Stuttgart

Dr.-Ing. Thomas Lautsch, BGE

"Excavation of large cavities in great depths of the final repository Konrad"

Bdir Dipl.-Ing. Martin Zeindl, Autobahndirektion Südbayern, ZGT

"Series of tunnels in the Loisach valley"

Dr.-Ing. Patricia Wittke-Gattermann, Dipl.-Ing. Hans-Joachim Küpper, WBI GmbH

Dipl.-Ing. Andreas Boettcher, Hochtief AG

**"Impact of the discontinuity fabric of the Bunter ("Buntsandstein") on tunneling
concepts using the example of Tunnel Trimberg"**

RegDir Dipl.-Ing. Andreas Koch, Bayerische Staatsbauverwaltung, ZIG

"Support of rock slopes in the Bavarian Staatsbauverwaltung"

Discussion

15:10 – 15:40 **Coffee break**

15:40 – 17:20

Special aspects of the Railway Project Stuttgart - Ulm

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

Dr.-Ing. Martin Wittke, Dipl.-Ing. Dieter Schmitt, WBI GmbH

Dipl.-Ing. Günter Osthoff, DB Projekt Stuttgart-Ulm GmbH

**"Grouting of acrylate gel and polyurethane for sealing of anhydritic Gypsum
Keuper in the area of the tunnels to Ober- and Untertürkheim"**

Prof. Dr.-Ing. Walter Wittke, Dr.-Ing. Martin Wittke, Dipl.-Ing. Ralf Druffel, WBI GmbH

Dipl.-Ing. Andreas Rath, ATCOST 21

Dipl.-Ing. Günter Osthoff, DB Projekt Stuttgart-Ulm GmbH

**"Conventional heading of two large cross-sections connecting to the main
station, stability analyses, subsidence prediction and construction aspects"**

Dr.-Ing. Claus Erichsen, Dipl.-Ing. Ralf Druffel, WBI GmbH

Dipl.-Ing. Andreas Boettcher, Hochtief AG

"Design and construction of heavily reinforced internal linings in swelling rock"

Dr. Jan Anderssohn, Dr. Oliver Lang, Dr. Diana Walter,

Airbus Defence and Space GmbH

**"Satellite-supported ground movement measurement of buildings and other
infrastructures in the area of influence of mining and tunneling"**

Discussion

17:20

Closing remarks