



AUSTRIAN
SOCIETY FOR
GEOMECHANICS

AGENDA
69th GEOMECHANICS COLLOQUIUM
JOHANN GOLSER COLLOQUIUM
07th - 09th OCTOBER 2020
VIRTUAL

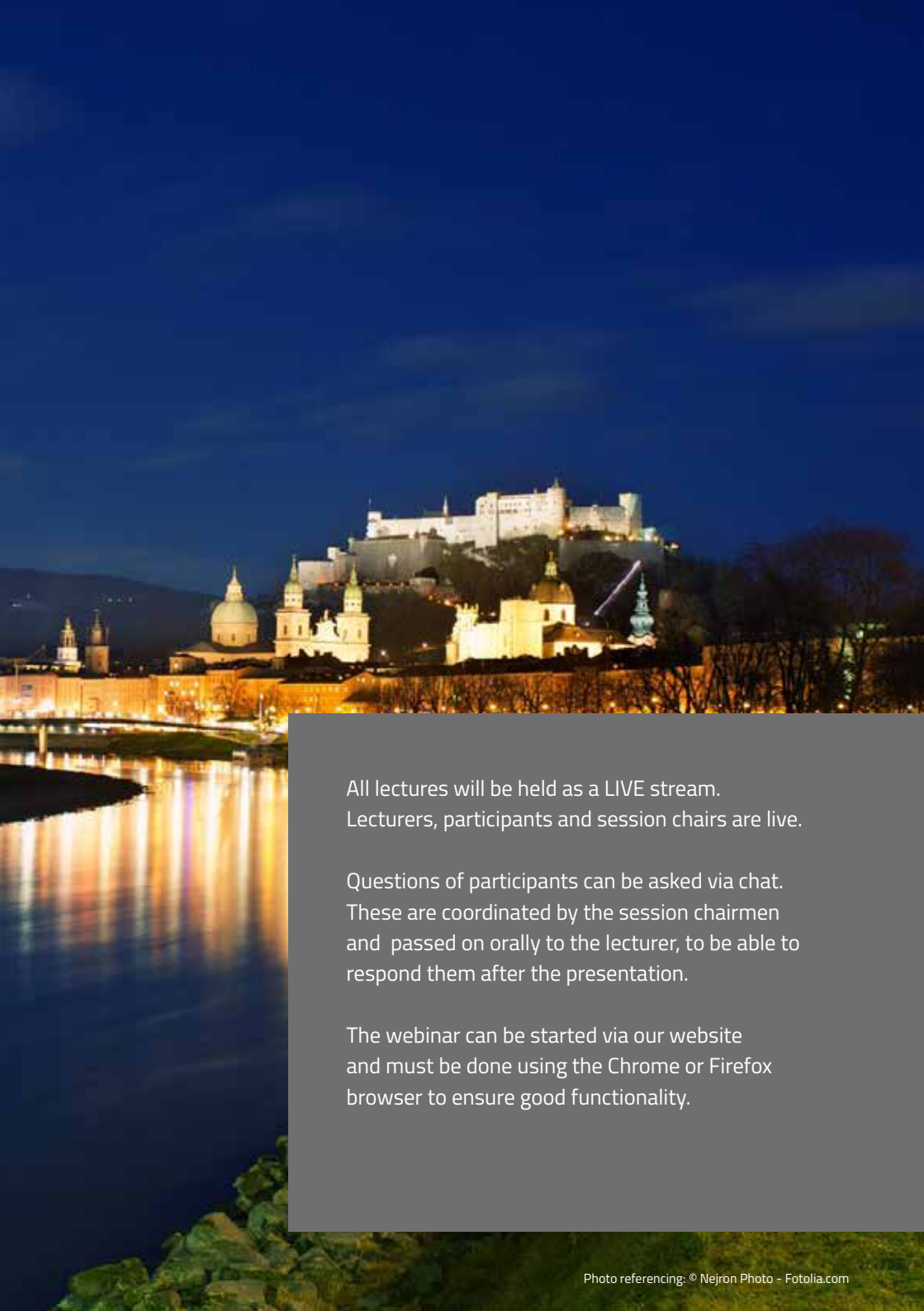


THE AUSTRIAN SOCIETY FOR GEOMECHANICS

Tis looking forward to welcome you to the **69th Geomechanics Colloquium 2020** (Johann Golser Colloquium) on October 7th - 09th 2020, which will be held **VIRTUALLY**, due to the Corona cirsis.

Session topics:

- » NATM – Highlights and Challenges
- » Service and maintenance works
- » Geotechnical relevant Natural Hazards
- » International large projects



All lectures will be held as a LIVE stream.
Lecturers, participants and session chairs are live.

Questions of participants can be asked via chat.
These are coordinated by the session chairmen
and passed on orally to the lecturer, to be able to
respond them after the presentation.

The webinar can be started via our website
and must be done using the Chrome or Firefox
browser to ensure good functionality.

AGENDA

WEDNESDAY 07TH OCT. 2020

WELCOME **02:00 p.m.**

Welcome by W. Schubert,
President of the Austrian Society for Geomechanics

OBITUARY GEORG MICHAEL VAVROVSKY **02:05 p.m.**

LAUDATIO JOHANN GOLSER BY ROBERT GALLER **02:20 p.m.**

NATM – HIGHLIGHTS AND CHALLENGES **02:35 p.m.**

Chair

R. Galler	Montanuniversität Leoben (A)
J. Herdina	TIWAG-Tiroler Wasserkraft AG (A)

02:35 p.m. - 03:15 p.m. NATM - Review and Outlook (G*)

J. Golser	Geoconsult ZT GmbH (A)
M. Keuschnig	GEORESEARCH Forschungsgesellschaft mbH (A)
F. Weichenberger	Geoconsult ZT GmbH (A)

03:15 p.m. - 03:45 p.m. New Austrian Tunneling Method (NATM) - Experiences from an executive perspective (G*)

M. Bauer	G. Hinteregger & Söhne Bauges.m.b.H. (A)
A. Rath	PORR BAU GmbH (A)

COFFEE BREAK (10 min)

03:45 p.m. - 03:55 p.m.

03:55 p.m. - 04:25 p.m. Rohtang Tunnel - NATM in the Indian Himalaya (G*)

P. Reichenspurner STRABAG AG (D)

T. Riedel STRABAG AG (D)

04:25 p.m. - 04:55 p.m. Passing a fault zone three times: NATM helps TBM to succeed (G*)

T. Pilgerstorfer Geoconsult ZT GmbH (A)

H. Hölzl Geoconsult ZT GmbH (A)

B. Moritz ÖBB-Infrastruktur AG (A)

AGENDA

THURSDAY 08TH OCT. 2020

LEOPOLD MÜLLER AWARD 2020

09:00 a.m. - 09:15 a.m.

SERVICE AND MAINTENANCE WORKS

09:15 a.m.

Chair

M. Eder

IL-Ingenieurbüro Laabmayr & Partner ZT GesmbH (A)

R. Heissenberger

ÖBB-Infrastruktur AG (A)

09:15 a.m. - 09:45 a.m. Traffic tunnels - Development of a cross-asset, reliability-based life cycle management (G*)

U. Grunicke

UHG-Consult (A)

C. Stefan

Austrian Institute of Technology (A)

A. van Linn

Amstein Waltherdt (CH)

L.D. Mellert

Amstein Waltherdt (CH)

A. Weninger-Vycudil

PMS-Consult (A)

09:45 a.m. - 10:15 a.m. Further development of condition evaluation and the constructional engineering management of DB Netz AG, shown exemplary for tunnels and culverts (G*)

T. Condic-Marinovic

DB Netz AG (D)

A. Thiessen

DB Netz AG (D)

10:15 a.m. - 10:45 a.m. 150 years reliable railway tunnels - Extending the hybrid method for the long-term safety assessment (G*)

Ch. Hellmich	TU Wien (A)
B. Pichler	TU Wien (A)
R. Heissenberger	ÖBB Infrastruktur AG (A)
B. Moritz	ÖBB Infrastruktur AG (A)

COFFEE BREAK (10 min)

10:45 a.m. - 10:55 a.m.

10:55 a.m. - 11:25 a.m. FEDRO's Tunnel Renovation Method – Renovation of a non-reinforced primary lining using night shifts while keeping all traffic lanes open during peak traffic periods (G*)

G. Balbi	Astra (CH)
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11:25 a.m. - 11:55 a.m. Refurbishing the Kuckuckslay Tunnel using the Tunnel-in-Tunnel method – lessons learned (G*)

S. Vetter	DB Netz AG (D)
M. Galli	ARGE Erneuerung Kuckuckslay Tunnel (D)
P. Steiner	IL-Ingenieurbüro Laabmayr & Partner ZT GesmbH (A)

11:55 a.m. - 12:25 p.m. Analytical and numerical load evaluation from excavation shoring on the powerhouse Kirchbichl (G*)

S. Gloimüller	AFRY Austria (A)
P. Panova	AFRY Austria (A)
G. Lang	AFRY Austria (A)

LUNCH BREAK

12:25 p.m.

GEOTECHNICAL RELEVANT NATURAL HAZARDS

01:30 p.m.

Chair

M. Keuschnig GEORESEARCH Forschungsgesellschaft mbH (A)
M. Krautblatter Technische Universität München (D))

01:30 p.m. - 01:35 p.m. Welcome and opening session (G*)

01:35 p.m. - 02:00 p.m. Anticipating an imminent large rock slope failure at the Hochvogel (Allgäu Alps) (G*)

J. Leinauer Technische Universität München (D)
B. Jacobs Technische Universität München (D)
M. Krautblatter Technische Universität München (D)

02:00 p.m. - 02:25 p.m. The Concept of Design Block Size – A Critical Review of ONR 24810 “Technical Protection against Rockfall” (G*)

M Illeditsch Technische Universität Wien (A)
A. Preh Technische Universität Wien (A)

02:25 p.m. - 02:50 p.m. Modeling of the interaction between structures and creeping slopes (G*)

B. Schneider-Muntau Universität Innsbruck (A)

COFFEE BREAK (10 min)

02:50 p.m. - 03:00 p.m.

03:00 p.m. - 03:25 p.m. The importance of landslide classifications for geotechnics (G*)

R. Poisel Technische Universität Wien (A)

A. Preh Technische Universität Wien (A)

03:25 p.m. - 03:50 p.m. Rockfall Felbertauern – avalanche gallery Schildalm: Geological conditions and stabilisation measures (G*)

F. Riepler GWU Geologie-Wasser-Umwelt (A)

03:50 p.m. - 04:15 p.m. Permafrost rocks and high-alpine infrastructure: Interrelated, Interconnected, Interacting (G*)

R. Pläsken Georesearch ForschungsgmbH (A)

M. Keuschnig Georesearch ForschungsgmbH (A)

M. Krautblatter Technische Universität München (D)

04:15 p.m. - 04:30 p.m. Session Recap and Closing

AGENDA

FRIDAY, 09TH OCT. 2020

INTERNATIONAL LARGE PROJECTS

09:00 a.m. - 12:00 noon

Chair

O. Sigl	Geoconsult Asia Singapore (SG)
G. Urschitz	STRABAG AG (A)

09:00 a.m.- 09:40 a.m. Special construction methods for tunnels with very shallow overburden - Challenge for innovation (G*)

O. Sigl	Geoconsult Asia Singapore (SG)
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09:40 a.m. - 10:20 a.m. Woodsmith Project Construction of a 37-km long Mineral Transport System for the world's largest Polyhalite resource (E*)

E. Gschnitzer	STRABAG AG - UK Branch (GB)
J. Wenger	STRABAG AG - UK Branch (GB)
A. Raine	STRABAG AG - UK Branch (GB)

10:20 a.m. - 11:00 a.m. The Shazar caverns - Design challenges and construction experience (G*)

R. Schuerch	Pini Swiss Engineers (CH)
P. Perazzelli	Pini Swiss Engineers (CH)
E. Spivak	Eldad Spivak - Engineering Firm Ltd. (IL)
G. Moranda	

11:00 a.m. - 11:25 a.m. Design of a NATM Crossover for Mumbai Metro Line 3 (E*)

A. Panwar	Geoconsult India Pvt Ltd (IN)
J. Manvani	Geoconsult India Pvt Ltd (IN)
P. Muniyappa	Geoconsult India Pvt Ltd (IN)
F. Krenn	Geoconsult India Pvt Ltd (IN)

11:25 a.m. - 11:40 a.m. DISCUSSION

11:40 a.m. Closing Words

W. Schubert	Graz University of Technology (A)
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END OF THE VIRTUAL GEOMECHANICS COLLOQUIUM

11:50 noon

GENERAL

LANGUAGES

The conference languages at the Geomechanics Colloquium will be German and English. Simultaneous translation will NOT be provided.

TECHNICAL EXHIBITION

A virtual Exhibition will take place parallel to the conference. If you are interested, please visit our website at www.geomechanics-congress.com/en/sponsoring or please contact the ÖGG office (salzburg@oegg.at). A list of the current exhibitors can be found on the homepage (www.geomechanics-congress.com/en/)

REGISTRATION AND PAYMENT

All participants are asked to complete the online registration form which can be found on the homepage of the Austrian Society of Geomechanics. The confirmation of registration also contains the access code for the webinar. After registration, you will receive an invoice. Please, specify by all means the **invoice number** as well as the **name of the participant** on the money transfer voucher.

Please do not send us a multiple application via email, use the online registration form. There you are also able to register several participants at once!

The registration is only valid after payment. You are able to pay by bank transfer or credit card. Following credit cards will be accepted: Visa, Master Card. Payment must be in Euros (€) and be free of charge for the recipient.

The recorded webinar is still available to registered participants until the end of the year.

GENERAL

CANCELLATION

Please understand that we can only accept a written cancellation. When cancelling before the 1st of October 75 % of the fee will be refunded. If you are unable to attend or cancel later than the above mentioned date, no refund can be granted.

We, however, gladly accept a substitute participant without demanding any additional charges.

GENERAL

PROCEEDINGS

The papers of the 69th Geomechanics Colloquium are published in issues 5 and 6 of our trade journal

GEOMECHANICS AND TUNNELLING

The journal can be ordered directly at the registration or at:

**Wilhelm Ernst & Sohn Verlag für Architektur und
technische Wissenschaften GmbH & Co. KG**

Rothestraße 21, 10245 Berlin, GERMANY

Tel.: +49 30 47031 200

Fax: +49 30 47031 270

info@ernst-und-sohn.de

www.ernst-und-sohn.de

For members of the Austrian Society for Geomechanics the periodical „Geomechanics and Tunnelling“ is free!

A membership can be applied for at

Austrian Society for Geomechanics

Innsbrucker Bundesstraße 67, 5020 Salzburg, AUSTRIA

Tel.: +43 662 875519

Fax: +43 662 886748

or directly at the homepage: www.oegg.at

GENERAL

MEMBERSHIP

To become member of the Austrian Society for Geomechanics is worth it!

For the Geomechanics Colloquium, which is taking place every year in October, there are **special conference fees** for members. Also the bi-monthly periodical of the Austrian Society for Geomechanics „**Geomechanics and Tunnelling**“ (published in English/German) is **included in the membership fees**.

Members, taking place at the Geomechanics Colloquium and get the periodical „Geomechanics and Tunnelling“, save costs of more than EUR 150.00! Register on: www.oegg.at

ADVERTISING OPPORTUNITIES

Take the unique possibility to become a sponsor of the virtual Geomechanics Colloquium 2020 and put your company in perspective! The following tables give an overview on possible sponsorship packages.

Advertising Packages		
Corporate Video	EUR 2,500	available
Virtual Exhibition	EUR 500	available
Logo on Webinar platform	EUR 300	available

For details on each package please visit our homepage www.geomechanics-congress.com/en/sponsoring or contact the office of the Austrian Society for Geomechanics (salzburg@oegg.at).

GENERAL

70th GEOMECHANICS COLLOQUIUM

The Austrian Society for Geomechanics proudly announces that the **70th Geomechanics Colloquium 2021** will be held from 14th to 15th of October 2021 at the Congress Center in Salzburg.

The topics of this congress you may retrieve from our homepage www.geomechanics-congress.com/en/

LEOPOLD MÜLLER AWARD

For excellent doctoral theses with practical relevance in the area of rock mechanics and geological engineering the Austrian Society for Geomechanics awards annually the **LEOPOLD MÜLLER AWARD**.

The Austrian Society for Geomechanics invites to submit doctoral theses that apply a holistic approach - in the spirit of Leopold Müller - to geomechanics and geology and that correspond to the objectives of the Austrian Society for Geomechanics - accompanied by a short evaluation of the thesis by the university institute in question. Applications should be submitted **latest by the end of January 2021** online at the homepage of the Austrian Society for Geomechanics (www.oegg.at).

Further information regarding the Leopold-Müller-Award can be retrieved from our homepage: www.oegg.at.

We would also like to thank our current conference supporters!

Corporate Video



Preliminary Program



Webbanner



Virtual Exhibition Platform



Logo on the Webinar Platform



REGISTRATION FEES

Virtual Geomechanics Colloquium

Regular participants
ÖGG & ISRM members
Retired persons
Students*
Lecturer**

Registration before 10/01

€ 150.-
€ 120.-
€ 100.-
free
free

Regular participants
ÖGG & ISRM members
Retired persons
Students*
Lecturer**

Registration after 10/01

€ 170.-
€ 150.-
€ 120.-
€ 50.-
free

Proceeding

€ 50.-

* „Students“ (reduced registration fees) are persons under the age of 26 years without a regular salary. Doctoral students are excluded from the discount. At the online registration a valid study record has to be uploaded.

** Only one person per lecture free.

70TH GEOMECHANICS COLLOQUIUM 2021

The Austrian Society for Geomechanics cordially invites you to the **70th GEOMECHANICS COLLOQUIUM**, which will take place at **October 14th-16th 2021**.

On **October 13th, 2021** the **12th AUSTRIAN TUNNEL DAY** will be held.

