

5TH ISRM EUROPEAN ROCK MECHANICS DEBATE

Rock bolting: approaches in mines and in tunneling

Time: 2024, April 8th, 14:00 (CET) – 12:00 (GMT)

Links: inscription (http://bit.ly/5th_european_debate_isrm) & YouTube channel
(<https://www.youtube.com/@IntSocRockMechanics>).

Copy – paste the link in your browser to register and attend the zoom meeting or to follow the debate the
YouTube channel.

Moderator: Philippe Vaskou (France)

Speaker 1: Charlie Li (Norway) - Subject: Rockbolting methodology in
underground mines



Dr. Charlie Li is a professor of rock mechanics for civil and mining engineering at NTNU Norwegian University of Science and Technology in Norway. He received his PhD in rock mechanics at Luleå University of Technology (LTU) in Sweden and then worked as a research scientist and a mining engineer more than a decade before his appointment of the professorship at NTNU. His expertise is in rockbolting, ground support, rockburst management and stability assessment of underground spaces. Dr. Li is a member of the Norwegian Academy of Technological Sciences. He was the ISRM Vice President for Europe from 2015 to 2019

Speaker 2: Robert Galler (Austria) - Subject: Bolting in soft rock conditions



From 1997 to 2007, Dr. Robert Galler worked for GEOCONSULT Consulting Engineers. Since 2006, he is Professor for Subsurface Engineering at Montanuniversität Leoben. In 2000 he became a member of the board of the Austrian Society for Geomechanics and since 2005 he represents Austria in the ITA – International Tunneling Association. In 2013, Robert Galler was elected Chairman of ITA-CET (International Tunneling Association – Communication, Education and Training) in London, which conducts special training courses in the field of geotechnics and tunneling for engineers worldwide. Since 2015, he has been the department head for ZaB (Zentrum am Berg), a unique under-ground research and development center as well as training and education center. From 2016, Dr. Galler has been heading the Department for Mineral Resources Engineering. He is the present President of the ÖGG (Austrian Society for Geomechanics).

ISRM EUROPEAN ROCK MECHANICS DEBATE SERIES (Eurock Debates)

The series of debates aim at stimulating communications among academics and practitioners of rock mechanics and rock engineering in Europe. It is hoped that the European network of rock mechanics and rock engineering is strengthened through such communications. The debates are held virtually and each one will have two speakers, with different perspectives on a hot rock engineering topic or on a specific technical aspect of rock mechanics. One of the main aims is also to collect opinions and suggestions from the rock mechanics community.

The debating topics are selected by an ad hoc Organising Committee, initially on the basis of three debates per year.

Organizing Committee: Philippe Vaskou (philippe.vaskou@outlook.fr) & Muriel Gasc, Europe ISRM Vice-President (muriel.gasc@cerema.fr)

EUROCK DEBATE RULES

Debates, in one form or another, are commonly used in democratic societies to explore and resolve issues and problems and in scientific societies to foster research and development. The guidelines are the following:

- A topic is selected by the organizers. Suggestions from rock mechanics academics and practitioners are welcome. Two speakers will be invited to briefly introduce the topic from different point of views (theory/practice, lab/in situ, academic/practical, empirical/observational approach...) with the aim of fostering debate.
- The chairman/moderator welcomes the audience and then introduces the topic for the seminar and will also present both speakers for a short time.
- Both speakers present the basics of the topics from their point of view and comment on possible open issues or aspects needing more research, based on a prepared presentation. Every speaker will have 15 minutes time to do that.
- Both speakers have 5 minutes to comment, deepen, illustrate or rebut the presentation of the other speaker. The idea is investigating what can add the perspective of the other speaker to the work develop by the speaking one.
- A free round of questions preferably to both speakers is open and moderated by the chairman. Short questions and answers are preferred. This can extend for a time between 15 and 30 minutes.
- 1 minute will be given to every speaker to wrap-up his/her comments and points of view. The chairman closes the meeting.