

## 2<sup>ND</sup> ISRM EUROPEAN ROCK MECHANICS DEBATE (Eurock Debate 2)

**Title:**

**What model for what application in rock mechanics**

**Time:** 2022, June 9th, 3:00 PM (CET)- 1:00 PM (GMT)

**Links:** Here's the link for the Debate registration:

(<https://us06web.zoom.us/meeting/register/tZIoC-ispj8uGtcNm3eDjP648XX8Nzjz3Opo>)

After registering, a confirmation email containing information about joining the meeting is sent. YouTube channel to directly follow:

([https://youtube.com/channel/UCKnar\\_ztPiNISIVJ-74pqfQ](https://youtube.com/channel/UCKnar_ztPiNISIVJ-74pqfQ))

**Moderator: Philippe Vaskou (France)**

**Speaker 1: Heinz Konietzky (Germany)**

**Subject: From State-of-the-Art in Science towards Engineering Practice**

The presentation will cover the following aspects: open-source versus commercial codes, trends & developments, model complexity, code coupling & optimization.

Bio: Prof. Dr. habil. Konietzky is Chair for Rock Mechanics and Rock Engineering at Freiberg University of Mining and Technology (TU Bergakademie Freiberg), Germany.

**Speaker 2: Jonny Sjöberg (Sweden)**

**Subject: Principles, Capabilities, and Strategies for Choosing Models**

The presentation will cover the guiding principals and strategies for choosing type of model and codes, as well as the verification and validation of models.

Bio: Dr. Sjöberg is General Manager at Itasca Consultants AB, Sweden and Adjunct Professor Rock Mechanics and Rock Engineering at Luleå University of Technology, Sweden.

# 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.

Organising Committee: Charlie C. Li ([charlie.c.li@ntnu.no](mailto:charlie.c.li@ntnu.no)), Philippe Vaskou ([philippe.vaskou@outlook.fr](mailto:philippe.vaskou@outlook.fr)) & Leandro R. Alejano ([alejano@uvigo.es](mailto:alejano@uvigo.es))

## 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 following guidelines will be follow:

- 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.