

KYT2018 Seminar

Topic: Numerical modelling of jointed rock mass and rock joints

Time: Friday 1st December 2017 9.00 AM– 2.00 PM

Location: Geological Survey of Finland, Sederholm hall, Betonimiehenkuja 4, 02151 Espoo

Aim of this seminar is to gather together scientists working on numerical modelling of joints in rock mass and geomechanical modelling of the rock joints and their behavior in tunneling and effect on water conductivity.

Registration by email: mira.markovaara-koivisto@gtk.fi

Program:

Chair Timo Ruskeeniemi (Bedrock Construction and Site Assessment, GTK)

9.00–9.10 Opening words by KYT coordinator Kari Rasilainen (VTT)

9.10–9.40 Keynote: KARMO – Initial data for numerical modelling of rock joint mechanical behaviour by Lauri Uotinen (Aalto)

9.40–10.10 Keynote: Numerical modelling of secondary fracturing in seismic event by Johannes Suikkanen (POSIVA)

10.10–10.40 Coffee + pastry break

Chair Head of Unit Hannu Lahtinen (Bedrock Construction and Site Assessment, GTK)

10.40–11.00 Deriving rock mechanical properties from geological fracture observations by Paula Salminen (Pöyry Finland Oy)

11.00–11.20 Fredrik Johansson (KTH)

11.20–11.40 Flow in fractured medias by Antti Pasanen (Industrial Environments and Recycling, GTK)

11.40–12.00 DFN modelling of jointed rock mass by Eevaliisa Laine (Bedrock Construction and Site Assessment, GTK)

12.30–13.50 Lunch at Kivimies-restaurant

Chair Professor Mikael Rinne

13.50–14.00 Roundup

14.00–14.20 A 3D case study on an open pit mine slope stability in a jointed rock mass via video call from Omid Mahabadi (Geomechanica)

How to get there



From Helsinki by bus 102, 102T, 103, 103T, 194, 195