

48th Nordic Seismology seminar, 12.6. – 13.6.2017

90 minute sessions, 15 + 5 minute slots.

Meeting hall: CK112, Exactum, Kumpula

Monday 12.6.2017

- 9:30 – 10:15 Registration at Exactum lobby
- 10:15 – 11:30 Opening session

Chair: Annakaisa Korja (Institute of Seismology, University of Helsinki)

- Opening by Professor Juha Karhu
 - Head of the Department of Geosciences and Geography at the University of Helsinki
- Björn Lund (*Uppsala University*)
 - **Imaging the state of the rock mass in the Kiirunavaara iron ore mine, Sweden, using local event tomography**
- Jari Kortström (*Institute of Seismology, University of Helsinki*)
 - **Status and Development of Seismic Analysis at the Institute of Seismology**
- Ragnar Slunga (*QuakeLook Stockholm AB*)
 - **Microearthquakes and crustal stress monitoring**
- 11:30 – 13:00 Lunch
- 13:00 – 14:30 Afternoon session

Chair: Dmitry Storchak (International Seismological Center)

- Peter Voss (*GEUS*)
 - **Status of the recent activities at the seismological service at GEUS**
- Elena Kozlovskaya (*University of Oulu*)
 - **Passive seismic interferometry in brownfield mineral exploration**
- Heidi Soosalu (*Geological Survey of Estonia*)
 - **Geological context of the 2016 Võrtsjärv and the 2017 Keila earthquakes, Estonia**
- Olga Erteleva (*Institute of physics of the Earth, Moscow*)
 - **Seismic Hazard and Seismic Treatments Assessment in the Territory of Leningrad Region**
- 14:30 Coffee
- 15:00 Field trip to Suomenlinna
- ca. 18:00 Conference dinner at restaurant Suomenlinnan Panimo

Tuesday, 13.6.2017

- 10:00 – 11:30 Morning session

Chair: Peter Voss (GEUS)

- Sakari Väkevä (*Institute of Seismology, University of Helsinki*)
 - **Deep Earthquakes of Fennoscandia according to OpenFIRE data**
- Jon Magnus Christensen (*NORSAR*)
 - **NORSAR Stations – current status**

- Marko Riedel (*Institute of Seismology, University of Helsinki*)
 - **Efficient computation of seismic traveltimes in anisotropic media and the application in pre-stack depth migration**
- Mathilde B. Sørensen (*University of Bergen, Norway*)
 - **Investigation of macroseismic data for earthquakes in Norway and Denmark**
- 11:30 – 13:00 Lunch
- 13:00 – 14:30 Afternoon session
- Chair: Mathilde B. Sørensen (University of Bergen, Norway)*
 - Dmitry Storchak (*International Seismological Center*)
 - **Advancement of the ISC Datasets and Services**
 - Svein Mykkeltveit (*NORSAR*)
 - **Status of implementation of the verification regime for the Comprehensive Nuclear-Test-Ban Treaty (CTBT)**
 - Feliks Aptikaeu (*Institute of physics of the Earth, Moscow*)
 - **How to Measure the Duration of Seismic Vibration**
 - Marko Riedel (ISUH)
 - **Reflection seismic modeling and imaging for mineral exploration in the Kylylathi Cu-Au-Zn mine, eastern Finland**
- 14:30 – 14:40 Closing remarks by organizers and invitation by the next year's host
- 14:40 – 16:00 Coffee & Poster session
 - Ville Jantunen (Institute of Seismology, University of Helsinki)
 - **A useful tool to identify recurring blasts in seismic event bulletins**
- **18:00 – 20:00 Rector's Reception at Helsinki University main building (Unioninkatu 34)**
 - Hosted by Professor Esko Ukkonen, Vice Dean of the Faculty of Science
 - Room: Opettajien lehtisali

You may also find the following of interest:

Wednesday, 14.6.2017

- 09:00 – 11:15 *informal get-together for people working with daily seismic analysis in Nordic countries (Exactum 4th floor room D413)*
- 11:15 – 12:30 *Nordic Participation in seismological organizations and programs*