

# The 45th Nordic Seismology Seminar

## 8th-10th of October 2014 in Visby on Gotland

### Wednesday October 8

- 11.30-12.00    **Registration** at Wisby Strand, Strandvägen 4
- 12.00-13.30    **Lunch**
- 13.30-16.00    **Seminar** Wisby Strand  
13.30            **Welcome**
- 13.40-14.00    Northern Finland Seismological Network: a tool to analyse long-period  
seismological signals  
*Elena Kozlovskaya*
- 14.00-14.20    Ostrobothnia Local Seismic Network (OBF) Detection and location  
capability of phase 1  
*Jari Kortström*
- 14.20-14.40    Towards a homogenized earthquake catalogue for the Fennoscandian  
shield  
*Marja Uski*
- 14.40-15.20    **Coffee**
- 15.20-15.40    On seismic hazard assessment for the Eastern Baltic region  
*Bela Assinovskaya*
- 15.40-16.00    The 2014 magnitude 4.1 Sveg earthquake  
*Björn Lund*
- 16.00-17.30    **Poster session** Wisby Strand
- A quantitative method to map the source distribution of microseisms using  
noise Covariograms; *Hamzeh Sadeghisorkhani*
- A strategy for earthquake catalog relocations using the maximum likelihood  
method; *Ka Lok Li*
- Current software development at SNSN; *Peter Schmidt*
- Seismic monitoring of glacier calving and surging on Spitsbergen,  
Svalbard; *Andreas Köhler*
- New Fennoscandian shield empirical ground motion characterization  
models; *Tommi Vuorinen*
- Analysis of waveforms of local earthquakes in the West Bohemia/ Vogtland  
area and Reykjanes Peninsula; *Alena Bouskova*
- Earthquakes in Greenland and single station detection;*  
*Peter H. Voss*
- 2.5D waveform and real noise simulation of receiver functions in 3D models  
*Christian Schiffer*

	It is about 1 km between Wisby Strand and Scandic Visby
18.00	Check-in at Scandic Visby, Färjeleden 3
18:30	<b>Dinner</b> at Scandic Visby

### Thursday October 9

- 09.00-15.00    **Seminar** Scandic Visby
- 09:00-09:20    Back-Projection Analysis of Moderate to Large Earthquakes Using Data from the Swedish National Seismic Network (SNSN)  
*Hossein Shomali*
- 09:20-09:40    A Proterozoic boundary in southern Norway revealed by joint-inversion of P-receiver functions and surface waves  
*Valérie Maupin*
- 09:40-10:00    Multiscale, finite-frequency P & S tomography of the upper mantle in the southwestern Fennoscandian Shield  
*Valérie Maupin*
- 10:00-10:20    Automated event detection algorithm based on signal-to-noise ratio migration  
*Frederic Wagner*
- 10:20-11:00    **Coffee**
- 11.00-11.20    Probabilistic Seismic Hazard (PSHA): Challenges and Alternatives  
*Conrad Lindholm*
- 11.20-11.40    Time-Delay Correction Surfaces for Improved Seismic Array Performance  
*Steven J Gibbons*
- 11:40-12:00    Stress Tensors and Diverse Focal Mechanism Solutions of Microseismic Events during Active Deformation in Krysuvik Geothermal Area, SW Iceland, in 2009  
*Sigrídur Kristjansdóttir*
- 12.00-13.20    **Lunch**
- 13:20-13:40    Stress Pattern of the Shanxi Rift System, North China, Inferred from the Inversion of New Focal Mechanisms  
*Bin Li*
- 13:40-14:00    Active faults and potential ground shaking in Cuba  
*Mathilde B. Sørensen*

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| 15.00-19.00 | <b>Cultural program</b> around Visby by bus (outdoor activities and walking) |
| 19.00       | <b>Dinner</b> in Visby (the bus will drop us directly at the restaurant)     |

## Friday October 10

- 09:00-09:20 Presentation of the LKAB project: Analysis of mining induced seismicity at Kiirunavaara Mine  
*Christina Dahnér*
- 09:20-09:40 Seismic analysis of mine collapse signals in NE Estonia  
*Heidi Soosalu*
- 09:40-10:00 NEONOR2 project - Neotectonics in Nordland  
*Ilma Janutyte*
- 10:00-10:20 NordQuake – Closing remarks and Future Corporation  
*Peter H. Voss*
- 10.20-11.00 **Coffee**
- 11:00-11:20 FIN-EPOS – a Finnish national initiative of EPOS  
*Annakajsa Korja*
- 11:20-11:40 EPOS and Seismology in the Nordic countries  
*Reynir Bödvarsson*
- 12:00-13.00 **Lunch**
- 13.00-15.00 EPOS discussion