



Geophysical Doctoral Day, May 31, 2017

*Institute of Geophysics, Czech Academy of Sciences,
Boční II, 1401, Praha 4, Spořilov*

Program:

08:30 *Opening*

08:35 – 10:40

Kateřina Sládková: Tidally induced deformation of icy moons

Martin Bachura: Vp/Vs - estimation from arrival time differences: possibilities and observations

Helena Munzarová: Coupled anisotropic and isotropic body-wave tomography of the upper mantle beneath northern Fennoscandia - Application of novel code AniTomo

Libor Šachl: Oceanic model LSOMG: Development and applications

Fernando César Moura de Andrade: Inversion of multi-configuration electromagnetic induction data for shallow hydrogeological applications

10:40 – 10:55 *Coffee break*

10:55 – 12:35

Jana Doubravová: Single Layer Recurrent Neural Network for detection of swarm-like earthquakes in West Bohemia and SW Iceland

Michaela Walterová: Tides on terrestrial exoplanets

Miroslav Halló: Bayesian inference of centroid moment tensors of the April 2016, Kumamoto (Kyushu, Japan), earthquake sequence

Vojtěch Lávička: Source-Scanning as a tool for investigating the rupture processes of West Bohemia earthquakes

12:35 – 13:50 *Lunch break*

13:55 – 16:00

Vojtěch Patočka: Viscoelastic mantle convection

Filip Kostka: Dynamic finite-extent source inversion for physical parameters controlling the 2016 Amatrice, Italy earthquake

Milosz Wcislo: Seismic waves in inhomogeneous, weakly dissipative, anisotropic media

Radek Klanica: Recent magnetotelluric surveys for geological targets

Tomáš Uxa: Reconstructing temperature conditions associated with past periglacial structures: a case study for sorted patterned ground in the Krkonoše Mountains

16:00 *Conclusions and closing*

16:10 *Garden party*