



Institute of Rock Structure and Mechanics
of the Czech Academy of Sciences
and
National Institute for Earth Physics, Măgurele, Romania



Czech-Romanian Seismology Workshop: AdriaArray local experiment in Vrancea (Romania)

December 5th - 6th 2023, Conference hall of IRSM CAS, Prague



Programme:

Tuesday - December 5th 2023

- 09:30 – 09:35 Welcome and Opening
(Lucia Fojtíková, Renata Lukešová, IRSM CAS)
- 09:35 – 10:45 **Felix Borleanu (INFP): Investigations and new insights on earthquake generation mechanisms, seismic activity and lithospheric structure at the bending of the Southeastern Carpathians Vrancea region)**
- 10:45 – 11:00 Coffee break
- 11:00 – 12:00 Václav Vavryčuk (IG CAS): Tectonic stress from focal mechanisms (Part 1 - Theory)
Lunch break
- 12:00 – 13:30 Renata Lukešová (IRSM CAS): First preliminary result from new AdriaArray data in Vrancea
- 13:30 – 13:45
- 13:45 – 15:00 Václav Vavryčuk (IG CAS): Tectonic stress from focal mechanisms (Part 2 - Applications I)
- 15:00 – 15:15 Coffee break
- 15:15 – 16:30 Václav Vavryčuk (IG CAS): Tectonic stress from focal mechanisms (Part 3 - Applications II)

Wednesday - December 6th 2023

- 09:30 – 09:50 Lucia Fojtíková, Kristian Csicsay (SAS): Earthquake near Humenné on October 9, 2023
- 09:50 – 10:35 Jiří Vackář (IRSM CAS) – BayesISOLA
- 10:35 – 10:50 Coffee break
- 11:00 – 12:00 Jiří Málek, Lucia Fojtíková (IRSM CAS): Attenuation of seismic waves in Reykjanes peninsula (Iceland)
- 12:00 – 13:30 Lunch break
- 13:30 – 14:15 Jiří Zahradník (FMP CUNI): Earthquake complexity studied with multiple point-source ISOLA
- 14:15 – 15:00 František Gallovič (FMP CUNI): Present and future applications of dynamic rupture modeling in earthquake research
- 15:00 – 15:15 Coffee break
- 15:15 – 16:30 Vladimír Plicka (FMP CUNI): Empirical Green's function (EGF) method to calculate Apparent Source Time Functions (ASTFs)

This workshop is part of the Dynamic Planet Earth research program Strategy AV21