

ADLAS 2026 – the 6th International Workshop on Seismic Anisotropy, Heterogeneity and Dynamics of the Lithosphere-Asthenosphere System,

Liblice 25-29 May 2026, Czech Republic

Scientific program



Tuesday, May 26

Morning Session 1

9:00 – 10:00 Opening

Morning Session 2

- 10:30 – 11:10 **Romanowicz, Barbara J, Wolf, N. Valencia: Beyond SKS: improved constraints on upper mantle anisotropy from joint analysis of surface waveforms and body wave splitting** (keynote)
- 11:10 - 11:30 **Debayle, Eric, S. Durand, Y. Ricard: The lithosphere -asthenosphere system seen by surface waves : New insights from radial anisotropy**
- 11:30 – 11:50 **Roisenberg, Henrique Berger, F. Eckel, A. El-Sharkawy, C. Rosenberg, L. Boschi, T. Meier, F. Cammarano: AlpRA25: Radial anisotropy of the Alpine collision from ambient noise and earthquake surface waves**
- 11:50 – 12:00 Discussion

Afternoon Session 1

- 14:00 – 14:40 **Ferreira, Ana M.G., Mohammad Veisi, Sung-Joon Chang, Miguel Miranda, Maria Tsekhmistrenko, Francesco Rappisi, Mike Witek, Manuele Faccenda: Large-scale imaging and interpretation of seismic anisotropy** (keynote)
- 14:40 – 15:00 **Yuan Huaiyu and the WA Array Team: Vertical crustal fabrics in an old craton? — inferred from radial anisotropy**
- 15:00 – 15:20 **Lebedev, Sergei, F. Lavoué, N. L. Celli, A.J. Schaeffer: Radial and azimuthal anisotropy in the Earth's lithosphere and asthenosphere**
- 15:20 – 15:30 Discussion
- 15:30 – 15:50 Poster presentations (7x3 min): **P. Baccheschi, T. Belinić Topić, J. Confal, M. Desiderio, R. Gudipati, T. Häusler, M. Llorens**

Afternoon Session 2

- 16:10 – 17:10 Poster Session
- 17:10 – 17:50 **Faccenda, Manuele, B. VanderBeek, R. Lo Bue, F. Rappisi: Earth's dynamics and structure from combined geodynamic and seismological modelling with applications to the Mediterranean** (keynote)
- 17:50 – 18:00 Discussion

Evening Session for ECR

20:00 - 21:00 *Ana Ferreira: Research proposal and fellowship writing workshop*

Wednesday, May 27

Morning Session 1

- 8:30 – 8:50 *Levin, Vadim: Anisotropic layering of North American lithosphere is a record of its long history*
- 8:50 – 9:10 *Celis, Samuel, D. Kalmár, T-K. Hong: Lowermost mantle anisotropy beneath Eastern Asia from SKS-SKKS splitting intensity discrepancies*
- 9:10 - 9:30 *Rewers, Julia, P. Środa, S. Pondrelli, AdriaArray Seismology Group: Upper mantle anisotropy beneath the Western Carpathians and Bohemian Massif*
- 9:30 - 9:50 *Vecsey, Luděk, J. Plomerová, AlpArray, AlpArray-EASI, Alp-Array-PACASE Working Groups, AdriaArray Seismology Group: Back-azimuth variations of shear-wave particle motion as a direct probe of upper-mantle anisotropy (oral)*
- 9:50 – 10:00 Discussion

Morning Session 2

- 10:30 – 11:10 *Park, Jeffrey: Anisotropy in Receiver Functions (keynote)*
- 11:10 – 11:30 *Kalmár, Dániel, L. Petrescu, G. Hetény, K. Michailos, B. Süle, C. Neagoe, G. Bokelmann, AlpArray and PACASE Working Groups: Mantle Transition Zone Variations Across Central and Eastern Europe: Insights from P-to-S Receiver Functions*
- 11:30 – 11:50 *Wang, Kelin: Back-arc asthenosphere: temperature, flow, and anisotropy*
- 11:50 – 12:00 Discussion

Afternoon Session 1

- 14:00 – 14:40 *VanderBeek, Brandon P., G. Del Piccolo, M. Faccenda, J. Byrnes, A. Morelli: Leveraging P- and S-Wave Observables with Bayesian Inference to Image Mantle Anisotropy (keynote)*
- 14:40 – 15:00 *Del Piccolo, Gianmarco, J.S. Byrnes, J.B. Gaherty, B.P. VanderBeek, M. Faccenda, A. Morelli: Joint body-wave/surface-wave transdimensional probabilistic imaging of upper mantle seismic anisotropy*
- 15:00 – 15:20 *Plomerová, Jaroslava: Patchwork structure of the continental lithosphere captured in 3D visualization of its anisotropic fabrics*
- 15:20 – 15:30 Discussion
- 15:30 – 15:50 Poster presentations (7x3 min): *L. Margheriti, B. Nita, O. Ortega-Gelabert, M. Park, C. Piromallo, S. Pondrelli, H. Shen*

Afternoon Session 2

- 16:10 – 17:10 Poster Session
- 17:10 – 17:30 **Stovas, Alexey: Seismic wave propagation in multilayered anisotropic media with low symmetry**
- 17:30 – 17:50 **Kvapil Jiří, J. Plomerová, AlpArray, AlpArray-EASI, Alp-Array-PACASE Working Groups, AdriaArray Seismology Group: Anchor-Tied Comprehensive Rayleigh–Love Wave Dispersion Curve Analyser for Anisotropic Ambient Noise Inversion**
- 17:50 – 18:00 Discussion

Evening Session

- 20:00 - 21:00 **Ana Ferreira: AtlanticArray concept and the latest developments**

Thursday, May 28

Morning Session 1

- 8:30 – 8:50 **Link, Frederic, M. Ch. Reiss: Magmatic-tectonic interactions in the Natron rift revealed by seismic anisotropy**
- 8:50 – 9:10 **Gao, Yajian, S. Yao, A. Rietbrock, F. Tilmann, X. Yuan, S. Kufner, Z. Yuan: Multi-scale and Multi-method Joint Full-Waveform Inversion for Crustal and Upper Mantle Imaging Beneath Continental Subduction and Collision Zones**
- 9:10 - 9:30 **Kolínský, Petr, T. Belinić Topić, H. Kampfová Exnerová, S. Schippkus, E. Löberich, L. Vecsey, J. Kvapil, C. Hadziioannou, M.D. Long, AlpArray Working Group, AdriaArray Seismology Group: Mantle plumes and noise sources as seen by surface-wave diffraction: measurement, observables, explanation, modeling and inversion**
- 9:30 - 9:50 **Harris, Katrina, M. Witek, A. Ferreira, S-J. Chang, G. Silveira, M. Miranda: Waveform anisotropy tomography of the Azores-Madeira-Canaries mantle region using UPFLOW OBS data**
- 9:50 – 10:00 Discussion

Morning Session 2

- 10:30 – 11:10 **Rychert, Catherine A., Y. Dai, S. Ozaydiz, E. Debayle, N. Harmon, E.J. Chin, C.P. Conrad, G. Hirth, S. Naif, K. Selway, I. Artemieva, W. Buffet, E. Chambers, J. M. Kendall, P. Bogyatzis, D. Zhang, E. Rockenbeck: A global perspective on mantle dynamics and the lithosphere-asthenosphere boundary (keynote)**
- 11:10 – 11:30 **Wang, Kelin, T. Sun, J. He, F. Tomita, R. Hino: Postseismic geodetic observations suggest weak LAB of subducting plate**

- 11:30 – 11:50 **Kampfová Exnerová, Hana, J. Plomerová, AlpArray, AlpArray-EASI, Alp-Array-PACASE Working Groups, AdriaArray Seismology Group: Moho depth from P-receiver functions in the northern promontory of the AdriaArray**
- 11:50 – 12:00 Discussion

Afternoon Session 1

- 14:00 – 14:40 **Eakin, Caroline M.: Seismic Anisotropy of the Australian Cratonic Lithosphere (keynote)**
- 14:40 – 15:00 **Darbyshire, Fiona: Tracing seismic anisotropy across Canada: challenges of shear-wave splitting and surface-wave tomography with sparse and heterogeneous data coverage**
- 15:00 – 15:20 **Harmon, Nicholas., C.A. Rychert, M. Anderson, V. Le Roux: Seismic and Geochemical Investigation of the Melt Triangle beneath Mid-Ocean Ridges**
- 15:20 – 15:30 Discussion
- 15:30 – 15:50 Poster presentations (7x3 min): **P. Šroda, M. Veisi, L. Ville, Z. Yuan, J. Ziegler, H. Žlebčíková**

Afternoon Session 2

- 16:10 – 17:10 Poster Session
- 17:10 – 17:30 **Jiménez-Munt, Ivone, J. Vergés, W. Zhang, A. M. Negredo, M. Najafi, A. M. Gómez-García, D. García-Castellanos, M. Viaplana-Muzas, O. Ortega-Gelabert, D. Cruset, M.-G. Llorens, M. Torne: Adria Microplate, Integrated Geophysical–Geochemical and Geodynamic Modelling of the Lithosphere and Upper Mantle**
- 17:30 – 17:50 **Plomerová, Jaroslava, J. Kvapil, H. Žlebčíková, L. Vecsey, AlpArray and AlpArray-EASI Working Groups,: Imaging Eastern Alpine subduction in different iso- and aniso-tropic tomography (oral)**
- 17:50 – 18:00 Discussion

Friday, May 29

- 8:30 – 10:30 Final discussions, Closing
- 11:00 Departure to Prague