



NKG Science Week 2024

Workshop on “Geodesy Redefined? - Quantum & AI Insights”

Reykjavik, ICELAND
12 March 2024

The Workshop takes place at the Hotel Reykjavík Grand from 13.30 to 18.00.

AGENDA

- 12:00 – 13:30 Arrival
- 13:30 NKG Science Week 2024 starts with Workshop on “Geodesy Redefined? - Quantum & AI Insights”, Thorarinn Sigurdsson.
- 13:35 Welcome by the Director of Landmælingar Íslands, Gunnar H. Kristinsson.
- 13:40 Welcome by the NKG President, Martin Lidberg.
- 13:45 Practical information from the local organizers, Thorarinn Sigurdsson.
- 13:50 Benedikt Soja (ETH Zürich): “*Demystifying AI for Applications in Geodesy*” (online).
- 14:45 Franck Pereira (Observatoire de Paris): “*Quantum sensors: principles and ground applications*” (online).
- 15:40 Coffee break.
- 16:00 Matthias Weigelt (DLR): “*Sensing the Pulse of the Earth with Quantum Technology*”.
- 16:55 Halldór Geirsson (Uni Iceland): “*Meter-scale deformation on the Reykjanes Peninsula 2020-2024: a volcano-tectonic rifting episode*”.
- 17:40 Wrap-up and NKG Presidium's suggestions for the NKG Working Group meetings in the days to follow, NKG President and Presidium Members
- 18:00 Workshop closes.
- 19:30 Icebreaker at the Association of Chartered Engineers in Iceland (VFÍ), Engjateigur 9, 105 Reykjavík.