

Atom Interferometric Sensing of Earth's Spheres

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome-Introduction

Monday 27 March 2023 10:45 (15 minutes)

Presenter: Dr MITCHELL, Jeremiah

Contribution ID: 6

Type: **not specified**

Breakout session summary

Tuesday 28 March 2023 15:45 (1 hour)

Contribution ID: 9

Type: **not specified**

Funding prospects

Tuesday 28 March 2023 17:30 (30 minutes)

Presenters: NEWBOLD, Dave (STFC); KENDALL, Mike (University of Oxfor)

Contribution ID: **10**

Type: **not specified**

Host sites

Contribution ID: **11**

Type: **not specified**

Close out

Tuesday 28 March 2023 18:00 (15 minutes)

Presenter: Dr MITCHELL, Jeremiah

Contribution ID: 12

Type: **not specified**

Introduction to Cold Atoms and Atom Interferometry

Monday 27 March 2023 11:00 (30 minutes)

Author: KOVACHY, Timothy (Northwestern University)

Presenter: KOVACHY, Timothy (Northwestern University)

Session Classification: Atom Interferometry

Contribution ID: 13

Type: **not specified**

Cold Atom Technical Challenges

Monday 27 March 2023 11:30 (30 minutes)

Author: MARCHANT, Anna (Rutherford Appleton Laboratory)

Presenter: MARCHANT, Anna (Rutherford Appleton Laboratory)

Session Classification: Atom Interferometry

Contribution ID: 14

Type: **not specified**

Gravitational Environment and Geodesy with VLBAI

Monday 27 March 2023 12:00 (30 minutes)

Author: SCHLIPPERT, Dennis (Leibniz Universität Hannover, Institut für Quantenoptik)

Presenter: SCHLIPPERT, Dennis (Leibniz Universität Hannover, Institut für Quantenoptik)

Session Classification: Atom Interferometry

Contribution ID: 15

Type: **not specified**

Very-long-baseline Atom Interferometers

Monday 27 March 2023 14:00 (30 minutes)

Author: Dr MITCHELL, Jeremiah

Presenter: Dr MITCHELL, Jeremiah

Session Classification: Atom Interferometry

Contribution ID: 16

Type: **not specified**

Quantum Sensors for Future Gravity Missions

Monday 27 March 2023 14:30 (30 minutes)

Presenter: HERR, Waldemar (Deutsches Zentrum für Luft- und Raumfahrt e. V. (DLR), Institut für Satellitengeodäsie und Inertialsensorik (SI))

Session Classification: Atom Interferometry

Contribution ID: 17

Type: **not specified**

Introduction to Seismic Imaging

Monday 27 March 2023 15:00 (30 minutes)

Presenter: RAWLINSON, Nick (University of Cambridge)

Session Classification: Earth Sciences

Contribution ID: **18**

Type: **not specified**

Seismic Interferometry

Monday 27 March 2023 15:45 (30 minutes)

Presenter: WAPENAAR, Kees (Delft University of Technology)

Session Classification: Earth Sciences

Contribution ID: **19**

Type: **not specified**

Normal Mode Seismology

Monday 27 March 2023 16:15 (30 minutes)

Presenter: AL-ATTAR, David (University of Cambridge)

Session Classification: Earth Sciences

Contribution ID: 20

Type: **not specified**

Seismic Instrumentation

Monday 27 March 2023 16:45 (30 minutes)

Presenter: KENDALL, Mike (University of Oxford)

Session Classification: Earth Sciences

Contribution ID: 21

Type: **not specified**

Introduction to Infrasound and Atmospheric Sensing

Monday 27 March 2023 17:15 (30 minutes)

Presenter: NÄSHOLM, Peter (NORSAR and the University of Oslo)

Session Classification: Earth Sciences

Contribution ID: 22

Type: **not specified**

Boulby Underground Laboratory

Tuesday 28 March 2023 16:50 (20 minutes)

Author: PALING, Sean (STFC)

Presenter: PALING, Sean (STFC)

Contribution ID: 23

Type: **not specified**

Callio Lab

Tuesday 28 March 2023 17:10 (20 minutes)

Presenter: PUPUTTI, Julia (Calliolab)