

## **Session Program**

**27-28 Mar 2023**

# **Atom Interferometric Sensing of Earth's Spheres**

## ***Atom Interferometry***

Queens' College Cambridge, Bowett Room  
Queens' College Cambridge CB3 9ET United Kingdom

# Monday 27 March

11:00

## Atom Interferometry

**Session** |**Location:** Queens' College Cambridge, Bowett Room, Queens' College Cambridge CB3 9ET United Kingdom |**Convener:** Dr Jeremiah Mitchell

11:00–11:30

### Introduction to Cold Atoms and Atom Interferometry

**Speaker**

Timothy Kovachy

11:30–12:00

### Cold Atom Technical Challenges

**Speaker**

Anna Marchant

12:00–12:30

### Gravitational Environment and Geodesy with VLBAI

**Speaker**

Dennis Schlippert

13:00

14:00

## Atom Interferometry

**Session** |**Location:** Queens' College Cambridge, Bowett Room, Queens' College Cambridge CB3 9ET United Kingdom |**Convener:** Dr Jeremiah Mitchell

14:00–14:30

### Very-long-baseline Atom Interferometers

**Speaker**

Dr Jeremiah Mitchell

14:30–15:00

### Quantum Sensors for Future Gravity Missions

**Speaker**

Waldemar Herr

15:00