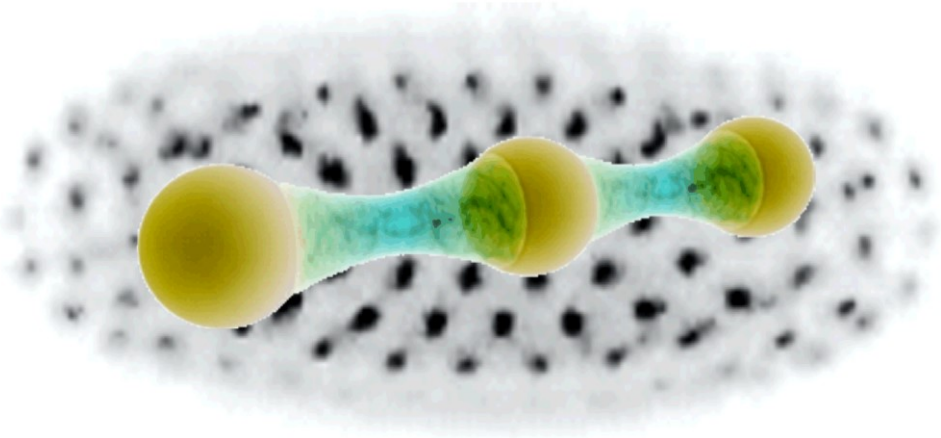
International online workshop from 20th to 22nd September 2021 on

# Novel movements for clocks and sensors



EU projects, USOQS and CC4C, funded within the EMPIR programme are pleased to announce a joint international online workshop on new perspectives to realise the next generations of quantum clocks and precision sensors.

Invited talks on techniques ranging from the realisation and control of large ion crystals to active lasers, and from quantum-mechanical squeezing to entanglement will be given. The implementation and evaluation of the potential to go beyond the present state-of-the art in precision measurements will be addressed.

Experts from national metrology institutes and leaders in the wider academic field will present their results. For CC4C **José R. Crespo López-Urrutia**, MPIK Heidelberg, **Nils Huntemann**, PTB Braunschweig, and **Tanja E. Mehlstäubler**, PTB Braunschweig & Leibniz University Hanover. For USOQS **Luca Pezzè**, CNR-INO & Lens Firenze, **Alvise Vianello**, NPL Teddington, and **Michał Zawada**, Nicolaus Copernicus University, Toruń. The external speakers are:

**Nitzan Akerman**, Weizmann Institute of Science, Rehovot, Israel
**Hua Guan**, Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences, Wuhan
**Adam M. Kaufman**, JILA, NIST & Colorado University, Boulder
**David R. Leibrandt**, NIST & Colorado University, Boulder
**Norbert M. Linke**, JQI, University of Maryland

The online conference will be held with talks in groups of four each day from 12:00 to 15:00 (UTC). Ample time for questions will be available.

For free registration, updated schedule and abstracts please follow the link here.

The EMPIR initiative is co-funded by the European Union's Horizon 2020 research and innovation programme and the EMPIR Participating States