



Contribution ID: 899

Type: **Invited talk**

There and Back Again: Demonstration and Future of an Optical Atomic Clock Beyond the Laboratory

Monday 12 December 2022 16:00 (30 minutes)

Optical atomic clocks combined with the proliferation of compact optical frequency combs, offer higher inherent timing stability versus their current microwave counterparts. We detail the development and demonstrations of our portable optical atomic clock technology with bespoke comb outside the laboratory under rugged conditions, and outline future directions.

Author: SCHOLTEN, Sarah (Institute for Photonics and Advanced Sensing, University of Adelaide)

Presenter: SCHOLTEN, Sarah (Institute for Photonics and Advanced Sensing, University of Adelaide)

Session Classification: AIP: Atomic and Molecular Physics

Track Classification: AIP Congress: AIP: Atomic and Molecular Physics