



Contribution ID: 618

Type: **Talk (preferred)**

Development of a Compact Clock for Small Satellite Applications

Monday 12 December 2022 17:15 (15 minutes)

We report upon a prototype optical clock using a two-colour two-photon transition in Rubidium, toward developing a compact alternative for the next generation GNSS.

Author: AHERN, Emily

Co-authors: Prof. LUITEN, Andre (University of Adelaide); Dr PERRELLA, Christopher (University of Adelaide); Dr LOCKE, Clayton (University of Adelaide); BOURBEAU HEBERT, Nicolas (University of Adelaide); SCHOLTEN, Sarah (Institute for Photonics and Advanced Sensing, University of Adelaide)

Presenter: AHERN, Emily

Session Classification: Australian and New Zealand Conference on Optics and Photonics

Track Classification: ANZCOP: ANZCOP: Atom optics