## 24th Australian Institute of Physics Congress



Contribution ID: 482 Type: Poster

## MEMS based silicon-air-silicon long wave infrared spectrometer

Tuesday 13 December 2022 18:45 (15 minutes)

Micro Electro-Mechanical Systems (MEMS) based Fabry Perot interferometers offer low size, weight, and power (SWaP) platforms for carrying out spectroscopic and chemical/biological sensing while being mechanically robust and field-portable unlike traditional bulk-optics based techniques.

Author: KALA, Hemendra (The University of Western Australia)

**Co-authors:** Prof. KEATING, Adrian (The University of Western Australia); Dr TRIPATHI, Dhirendra Kumar; Dr SILVA, Dilusha (The University of Western Australia); Prof. PUTRINO, Gino; Prof. FARAONE, Lorenzo (The University of Western Australia); Dr MARTYNIUK, Mariusz (The University of Western Australia); Dr ZAWIERTA, Michal (The University of Western Australia)

**Presenter:** KALA, Hemendra (The University of Western Australia)

Session Classification: Poster session

Track Classification: COMMAD: COMMAD: Semiconductor materials, devices, and technologies