



Contribution ID: 552

Type: **Poster**

High-dimensional Stokes-space Spatial Beam Analyser

Thursday, 15 December 2022 18:45 (15 minutes)

We demonstrate a device for measuring the generalized Stokes parameters of a six spatial mode beam. The device is a single-shot wavefront sensor measuring spatial complex amplitude and coherence without an external phase reference.

Primary authors: DAHL, Daniel (The University of Queensland); CARPENTER, Joel (The University of Queensland); PLOSCHNER, Martin (School of ITEE, The University of Queensland); MOUNAIX, Mickael (The University of Queensland); FONTAINE, Nicolas (Nokia Bell Labs)

Presenter: DAHL, Daniel (The University of Queensland)

Session Classification: Poster session

Track Classification: ANZCOP: ANZCOP: Optical sensors