



Contribution ID: 358

Type: **Poster**

Optical Limiting and Transient Grating in VO₂ Thin Multilayers

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

We propose a planar device featuring vanadium dioxide (a phase change material) for optical limiting purposes. We first characterize the static and dynamic response with numerical simulations and finally we verify the performances with experiments.

Primary authors: Prof. NESHEV, Dragomir (The Australian National University); CAMACHO, Rocio (The Australian National University)

Co-authors: Dr TOGNAZZI, Andrea (University of Palermo); Mr LI, Bohan (The Australian National University); Dr AMBROSIO, Gina (Università degli studi di Brescia and CNR-INO); Dr FRANCESCHINI, Paolo (CNR-INO); Dr BARATTO, camilla (CNR-INO); Prof. DE CEGLIA, Domenico (Università degli studi di Brescia and CNR-INO); Prof. CINO, Alfonso Carmelo (University of Palermo); Prof. DE ANGELIS, Costantino (Università degli studi di Brescia and CNR-INO); GANDOLFI, Marco (Università degli studi di Brescia and CNR-INO)

Presenter: CAMACHO, Rocio (The Australian National University)

Session Classification: Poster session

Track Classification: ANZCOP: ANZCOP: Nonlinear optics and photonics