24th Australian Institute of Physics Congress



Contribution ID: 161 Type: Talk (preferred)

Optimisation of a Fibre Laser Hydrophone for Marine Traffic Monitoring

Monday 12 December 2022 15:15 (15 minutes)

Refinement and adaptation of the distributed feedback fiber laser based hydrophone for the remote monitoring of marine traffic is reported. Hydrophone bandwidth and multiplexing noise have been mitigated; a substantial increase in hydrostatic pressure compensation depth has been demonstrated.

Primary author: TIKHOMIROV, Alexei (DSTG)

Co-authors: Mr GRAY, Bradyn (DSTG); Dr SIMAKOV, Nikita (DSTG); Ms LAY, Shanae (DSTG)

Presenter: TIKHOMIROV, Alexei (DSTG)

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

Track Classification: ANZCOP: ANZCOP: Optical sensors