

Fiber based high power low noise single frequency lasers and applications

Wednesday, 31 August 2022 14:45 (30 minutes)

With the advances in fundamental science such as gravitational wave detection, cold atom physics and quantum computing the need for single frequency high-power fiber lasers has been increasing. We will present several very low noise high power laser sources at different wavelengths and the potential applications.

Primary authors: SANTARELLI, Giorgio (Laboratoire Photonique Numérique et Nanosciences (LP2N), UMR 5298, CNRS-IOGS-Université Bordeaux, Talence, France); DIXNEUF, Clément (Laboratoire Photonique Numérique et Nanosciences (LP2N), UMR 5298, CNRS-IOGS-Université Bordeaux, Talence, France); DARWICH, Dia Dia (Laboratoire Photonique Numérique et Nanosciences (LP2N), UMR 5298, CNRS-IOGS-Université Bordeaux, Talence, France); PRAKASH, Roopa (Laboratoire Photonique Numérique et Nanosciences (LP2N), UMR 5298, CNRS-IOGS-Université Bordeaux, Talence, France); BARDIN, Yves-Vincent (Azur Light Systems, Pessac, France); GOEPPNER, Mathieu (Azur Light Systems, Pessac, France); GUIRAUD, Germain (Azur Light Systems, Pessac, France); TRAYNOR, Nicholas (Azur Light Systems, Pessac, France); HILICO, Adèle (Laboratoire Photonique Numérique et Nanosciences (LP2N), UMR 5298, CNRS-IOGS- Université Bordeaux, Talence, France)

Presenter: SANTARELLI, Giorgio (Laboratoire Photonique Numérique et Nanosciences (LP2N), UMR 5298, CNRS-IOGS-Université Bordeaux, Talence, France)

Session Classification: FWD 3 CW and novel lasers