Contribution ID: 68 Type: Oral

Fiber-based light source with multi-color output and fast wavelength tuning

Wednesday, 31 August 2022 15:15 (15 minutes)

A fiber-based light source with multi-color output and a fast wavelength tuning mechanism is presented. The combination of a frequency modulation scheme for pulse-to-pulse wavelength-switching and low-noise operation with a relative intensity noise of -153.7 dBc/Hz makes this light source well suited for nonlinear microscopy applications.

Primary authors: WALLMEIER, Kristin (University of Münster, Institute of Applied Physics, Münster, Germany); WÜRTHWEIN, Thomas (University of Münster, Institute of Applied Physics, Münster, Germany); BRINKMANN, Maximilian (efined Laser Systems GmbH, Münster, Germany); HELLWIG, Tim (Refined Laser Systems GmbH, Münster, Germany); FALLNICH, Carsten (University of Münster, Institute of Applied Physics, Münster, Germany)

Presenter: WALLMEIER, Kristin (University of Münster, Institute of Applied Physics, Münster, Germany)

Session Classification: FWD 3 CW and novel lasers