Multi-Core Fibers for Laser, Sensing and Telecommunication Applications

Thursday, 1 September 2022 11:30 (30 minutes)

We will present an overview on our research on novel multi-core fibers towards lasers and amplifiers for telecommunication, sensing as well as for scaling of coherently combined high power and high energy laser systems. We will link the required properties for the fibers to the manufacturing and characterization process chain.

Primary authors: SCHREIBER, Thomas (Fraunhofer IOF, Jena, Germany); KUHN, Stefan (Fraunhofer IOF, Jena, Germany); NOLD, Johannes (Fraunhofer IOF, Jena, Germany); HUPEL, Christian (Fraunhofer IOF, Jena, Germany); HEIN, Sigrun (Fraunhofer IOF, Jena, Germany); SCHULZE, Steffen (Fraunhofer IOF, Jena, Germany); YILDIZ, Benjamin (Fraunhofer IOF, Jena, Germany); HÄSSNER, Denny (Fraunhofer IOF, Jena, Germany); STRECKER, Maximilian (Fraunhofer IOF, Jena, Germany); KLENKE, Arno (Institute of Applied Physics / FSU, Jena, Germany); ALESHIRE, Christopher (Institute of Applied Physics / FSU, Jena, Germany); JAUREGUI, Cesar (Institute of Applied Physics / FSU, Jena, Germany); LIMPERT, Jens (Fraunhofer IOF, Jena, Germany); WALBAUM, Till (Fraunhofer IOF, Jena, Germany); HAAR-LAMMERT, Nicoletta (Fraunhofer IOF, Jena, Germany)

Presenter: HAARLAMMERT, Nicoletta (Fraunhofer IOF, Jena, Germany)

Session Classification: Special Symposium 2