Special Issue

Fiber Lasers

Message from the Guest Editors

Fiber laser research and development with applications ranging from manufacturing to biomedicine, sensing, metrology, telecommunications, and defense, fiber lasers have entered and improved our daily lives. They are giving Gas and Solid-state lasers a run for their money, and even taking over some of their markets. We wish to sample the latest interests of the research community. Recommended topics for this issue are (but not limited to): Simulations and studies of fiber laser dynamics, temporal and modal fluctuations Mode-locked, Q-switched and Gain-switched fiber lasers Single-cycle fiber lasers and Fiber-laser based Frequency Combs Nonlinearity based fiber lasers (Raman, Brillouin, etc.) High energy pulsed fiber lasers kW-class high power fiber lasers, including multiple laser combining Studies on the limits of fiber laser power and energy extraction Single-frequency fiber lasers Multi-core fiber lasers (coherent, incoherent) Fiber lasers with non-standard wavelengths (Visible, UV, Mid-IR, IR, etc.) Novel fiber glasses and waveguide geometries for fiber lasers Optical and electronic locking of multiple fiber lasers Fiber lasers with multi-wavelength output

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