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Fiber Lasers

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Deadline for manuscript submissions:
closed (30 November 2021)

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.)

lasers

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Special Issue

Optical and electronic locking of multiple fiber lasers

Fiber lasers with multi-wavelength output

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Message from the Editor-in-Chief

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