

Special Issue

High Power Fiber Laser and Amplifiers

Message from the Guest Editor

High-power fiber lasers and amplifiers are used in a wide range of applications due to their excellent beam quality, high efficiency, and flexible operation. At present, researchers also focus on the beam quality, output spectrum, temporal intensity, and the coherence of high-power fiber laser systems to improve their properties. Narrow-linewidth fiber lasers, polarization-maintaining fiber lasers, random fiber lasers, and other special fiber lasers have been demonstrated with high output power. However, the power limitation of the high-power fiber lasers and amplifiers still exists. Circumvention of the beam quality deterioration and spectral broadening at higher power level will always be a challenging issue. This Special Issue aims to present the state-of-the-art technologies in high-power fiber lasers and amplifiers, including demonstration of novel high-power fiber laser systems with extraordinary properties, special fiber components in the high-power fiber laser systems, and the study of phenomena which limit the properties of fiber laser systems. We look forward to receiving your contributions.

Guest Editor

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