



A Recent Progress in Single Frequency Lasers: Development and Applications

Guest Editor:

Dr. Mikhail I. Skvortsov

Institute of Automation and
Electrometry IAE, Novosibirsk,
Russia

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Message from the Guest Editor

Thanks to such characteristics as single-frequency generation, accurate wavelength selection, narrow linewidth, low intensity and frequency noises, and high efficiency, single-frequency fiber lasers (SFFLs) are attractive in many areas, e.g., remote sensing, reflectometry, spectroscopy, and second harmonic generation in visible range. This class of lasers is implemented in many configurations, from compact lasers based on ordered distributed feedback in the form of fiber Bragg gratings with a phase shift, made in active fibers, to multikilometer random lasers based on feedback with natural or artificial Rayleigh reflectors.

This Special Issue on "Single-Frequency Fiber Lasers and Their Applications" will welcome fundamental, experimental, and applied cutting-edge research in the form of both regular and review articles, concerning:

- Single-frequency fiber lasers;
- Techniques for characterizing single-frequency radiation;
- Production of special fiber light guides;
- Sensory applications of single-frequency radiation sources;
- Reflectometry.





Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and
Electronic Engineering (EEE), The
University of Adelaide, Adelaide,
SA 5005, Australia

Message from the Editor-in-Chief

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Photonics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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