



Applications of Semiconductor Optical Amplifiers II

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Message from the Guest Editor

This Special Issue will present new investigations, original results, novel solutions, breakthrough advances, technological implications and thorough conclusions, on one hand, and modern trends, open challenges and future prospects, on the other hand, supporting the long-term applicability of SOAs while at the same time constituting a reference point providing information, motivation and guidance for further efforts and innovations.

Keywords :

- Direct signal amplification
- External modulation
- Optical pulse generation and manipulation
- All-optical signal processing
- All-optical computing
- All-optical combinational and sequential logic circuits
- Long-haul metro and access optical networks
- Converged telecommunications networks
- Radio-over-fiber systems
- Microwave photonics
- Optical switching
- Optical interconnects
- Optical multiplexing
- Optical access techniques
- Slow and fast light
- Optical test and measurement techniques
- Photonic integrated circuits
- Coherent lightwave systems
- Digital back-propagation
- Wideband signal transmission



- Special active waveguide structures
- Neuromorphic computing and engineering



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Message from the Editor-in-Chief

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