

Special Issue

Intelligent Optical Signal Processing in Optical Fiber Communication

Message from the Guest Editor

Optical signal processing has emerged as a significant topic in optical fiber communications, further boosting the system capacity. The linear and nonlinear penalties, such as the fiber dispersion, polarization mode dispersion, and fiber nonlinearity, which pose certain limitations for signal transmission, can be readily overcome via the use of advanced signal processing techniques. Intelligent signal processing aims to exploit the upcoming artificial intelligence tide in order to achieve the more efficient and low-cost realization of the signal processing target. This Special Issue focuses on, but is not limited to, the theory, algorithms, and experimental realization of intelligent optical signal processing, with the aim of sharing the state-of-the-art technology with the broader research community.

Guest Editor

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Editor-in-Chief

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