



Neuromorphic Photonics

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Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on recent advances in integrated photonic neuromorphic systems, discussing current as well as future challenges and outlining the scientific in addition to technological advances needed to meet these challenges. We welcome a variety of meaningful and valuable manuscripts on neuromorphic photonics, including those related to materials, devices, and hardware architectures for implementing computing, neural sensing, and alternative neuromorphic paradigms. Submissions involving emerging unconventional technologies as candidate solutions for neuromorphic technologies will also be considered.

Topics include, but are not limited to:

- neuromorphic engineering
- photonics
- artificial intelligence
- brain-inspired computing
- synaptic plasticity
- optical neural networks

