# **Special Issue**

## Silicon Photonic Memories and Computing

### Message from the Guest Editors

Silicon photonics presents a novel paradigm that fits the bill for a high-speed and energy-efficient computing platform. Recent works in silicon photonics have shown its immense potential for high-performance computing, artificial neural networks, bio-inspired computing, and high-speed memories. This Special Issue welcomes original research articles and reviews. It welcomes important theoretical, simulation-based, as well as experimental contributions regarding photonic highperformance computing, photonic neuromorphic computing, photonic artificial synapses and neural networks, and next-generation photonic memories, as well as other topics related to silicon photonics. We look forward to receiving your contributions.

- photonic computing
- photonic neuromorphic computing
- photonic neural networks
- photonic memory
- artificial synapse

### **Guest Editors**

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### Deadline for manuscript submissions

closed (20 September 2023)



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### Message from the Editor-in-Chief

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### Editor-in-Chief

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