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Nanophotonics Devices and Systems

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Deadline for manuscript submissions:
closed (30 January 2024)

Message from the Guest Editor

This Special Issue "Nanophotonics Devices and Systems" invites manuscripts that report on the recent advances in nanophotonic devices. Theoretical, numerical, and experimental studies are welcome on topics including, but not limited to, the following:

- Optical micro/nano-sensors and systems;
- Nanophotonics for sensing and biosensing applications;
- Nanophotonics for optoelectronics and data communication;
- Neuromorphic circuits and photonic artificial intelligence;
- Plasmonic nanoparticles and their applications;
- Metamaterials for manipulating light at the nanoscale;
- Quantum dots for photonics applications;
- Nanoscale photonic crystals and their properties;
- Nanoscale waveguides for integrated photonics;
- Nanostructured surfaces for light trapping and enhanced absorption;
- Ultrafast optical phenomena in nanoscale materials;
- Active nanophotonics and their applications in energy harvesting;
- Nonlinear nanophotonics for ultrafast all-optical switching;
- Integrated nanophotonic circuits for quantum information processing;
- Optical antennas for enhanced light–matter interactions;
- [illegible] conversion, etc.

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Special Issue