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Nanophotonics and Micro/Nano Optics II

Zhiping Zhou
Kazumi Wada
Editors

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Introduction

Recent advances in Nanophotonics and Micro/Nano Optics have created the possibility for integrating photonic circuits and electronic circuits in a single chip, which have the potential to enable massive production at an affordable cost for many applications, including telecommunications, optical interconnects, photoelectric sensing, etc. Recent developments in diverse areas such as nanofabrication techniques, nonlinear nanophotonics, quantum optics, surface plasmons, nanoscale optical electronics, nanostructured photonic crystals, indicate that Nanophotonics and Micro/Nano Optics remain an extremely active research field.

"Nanophotonics and Micro/Nano Optics II (Year: 2014)" is the sequel of the "Nanophotonics and Micro/Nano Optics (Year: 2012)" series under the umbrella of SPIE/COS Photonics Asia. The focus of this conference is on the design, fabrication, and application of micro/nanostructures that facilitate the generation, propagation, manipulation, and detection of light from the infrared to the ultraviolet. The aim of this conference is creating an international forum for researchers to share the latest advancements on Nanophotonics and Micro/Nano Optics. The conference covers a wide range of topics relevant to Nanophotonics and Micro/Nano Optics, including: Silicon Photonics, Surface Plasmons and Near-Field Optics, Nonlinear Nanophotonics, Quantum Optics and Spintronics, Light Manipulation and Applications, Light Manipulation and Applications, and Nanowire Light Emitters.

These Conference Proceedings include the original conference presentations of "Nanophotonics and Micro/Nano Optics II", including a number of invited papers from world renowned scholars. We thank all the contributors for submitting their interesting work. We hope that these "Nanophotonics and Micro/Nano Optics II" Conference Proceedings will help advance research in this field.

Zhiping Zhou
Kazumi Wada