Special Issue

Design and Application of Modern Evanescent Wave Photonic Sensors

Message from the Guest Editors

Dear Colleagues, We welcome research and review papers, both theoretical and experimental, in the areas concerning planar photonic sensors for the detection of physical, chemical and biological parameters. Topics include, but are not limited to:

- Photonics for metrology;
- Novel sensors and measurement architectures;
- Micro- and nano-structured planar photonic structures;
- Biosensors and photonic lab-on-a-chip analytical systems;
- Plasmonic photonic crystals;
- Functionalization of photonic structures;
- Self-organizing molecular photonic structures;
- Metamaterials and metasurfaces for applications in photonics.

We welcome papers concerning 1-D and 2-D photonic-crystal-based sensors, novel principles, structures and materials for photonic sensors, analytical and numerical optimization of planar photonic crystal topologies for evanescent wave sensing applications. We believe that your valuable input will allow further advancement in this most interesting and exciting research field.

Guest Editors

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Deadline for manuscript submissions

closed (20 May 2023)

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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