Special Issue

Photonic Crystal Laser and Related Optical Devices

Message from the Guest Editor

Photonic crystals (PhCs) are 1D, 2D or 3D periodic dielectric materials. They have interesting properties, such as photonic bandgap and slow light. 1D PhC is widely available in our society as filters, mirrors, and so on. Vertical cavity surface emitting lasers (VCSEL) also employ 1D PhCs as Fabry–Pérot mirrors. Much research into 2D and 3D PhC has been reported over the last 30 years. However, very few devices in which 2D or 3D PhC is used are on the market. This Special Issue focuses on optical devices that utilize 2D or 3D PhC, such as photonic crystal lasers, in order to promote the applications of PhCs. Electric or mechanical devices are welcome to be presented in this issue if PhC is used. 1D PhC devices are also welcome if specific properties of the PhC are applied beyond conventional multi-layered filters or mirrors.

Guest Editor

Prof. Dr. Masahiko Kondow
Graduate School of Engineering, Osaka University, 2-1 Yamada-oka, Suita, Osaka 565-0871, Japan

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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