Special Issue

Photonic Crystals and Materials with Tunable Luminescence for Show Business

Message from the Guest Editors

People like beautiful images. Multicolor images and movies can be obtained with the use of photonic crystals. Artificial opals, for example, can give a simultaneous compilation of the effects of iridescence and luminescence, sometimes very impressive, unpredictable, and unrepeatable.

This issue would like to attract material scientists, chemists, physicists, and engineers of show effects to develop technologies of multicolor images for shows. It is very important for the authors to have at least one or more color photographs of the original experimental sample. Topics include, but are not limited to:

- Synthesis and images of the photonic crystals
- All kinds of visible luminescence in photonic crystals and other optically anisotropic matrices
- Images of natural photonic crystals modified with all kinds of luminescence species
- Images obtained with the use of upconversion and downconversion
- Luminescence of dyes and other species from photonic crystals and gels
- Materials with tunable luminescence

Guest Editors

Prof. Dr. Nikolai Gaponenko

Laboratory of Nanophotonics, Belarusian State University of Informatics and Radioelectronics, P. Browki St. 6, 220013 Minsk, Belarus

Prof. Dr. Guanying Chen

School of Chemistry and Chemical Engineering, Harbin Institute of Technology, Harbin 150001, China

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Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

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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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