

# Special Issue

## Nonimaging Optics

### Message from the Guest Editors

This Special Issue invites the submission of manuscripts that document the current state-of-the-art in nonimaging optics. This Special Issue aims to develop new ideas and applications in the broad area of nonimaging optics. We will consider theoretical, numerical, and experimental papers that cover, but are not limited to, the following topics:

- Advances in fundamental optics theory, which includes, but is not limited to, the following: thermodynamics of geometric optics; geometric flux theory; light field theory; radiation pressure; and the role of the vector potential and its gauge properties in optical design.
- Numerical simulations and theoretical efforts in the design of new nonimaging optical systems for solar concentration, illumination, radiation pressure, light trapping, and freeform optics applications.
- Experimental results and material analysis in radiative transfer, photovoltaic electricity generation, detection, lighting engineering, light-emitting diode (LED) and laser diode applications, and Cherenkov detectors.

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### Guest Editors

Prof. Dr. Roland Winston

Dr. Angel García-Botella

Dr. Lun Jiang

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### Deadline for manuscript submissions

closed (31 December 2021)



## Photonics

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Nelson Tansu

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#### Journal Rank:

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).