Special Issue

Computational Optics in Next-Generation Graphical User Interfaces

Message from the Guest Editor

In recent years, computational optics have enabled various devices that enhance the user experiences in next-generation graphical user interfaces, targeting virtual and augmented reality (VR/AR) applications. Thus, works related to combining new sensors with display design is utterly fascinating in this research space. Our Special Issue on computational optics in next-generation user interfaces targets to attract state of the art in:

- Eye/Gaze tracking devices;
- Sensing modalities for vital signs (e.g., heart rate, blood oxygenation);
- Display devices including holographic and classical approaches;
- Optical component design for sensors, cameras, and displays;
- Human perception-driven optical design in sensors, cameras, and displays;
- Algorithms for learning optical design space related to sensors, cameras, and displays.

We aim to deliver a unique set of papers that help reshape the next in computational optics in next-generation graphical user interfaces. We welcome works from all the scientists and expert engineers in the relevant research domains. Please do not hesitate to reach out to the guest editors for more details.

Guest Editor

Dr. Kaan Akşit

Computer Science Department, University College London, 169 Euston Road, London NW1 2AE, UK

Deadline for manuscript submissions

closed (15 November 2022)

hv

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/si/119633

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

mdpi.com/journal/photonics

MDPI

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/journal/photonics

MDPI

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.

Editor-in-Chief

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Instrumentation)

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).