

# Special Issue

## Advanced Micro and Nano Fiber Interferometers for Sensing Photonics

### Message from the Guest Editors

Micro- and nanofiber sensors have been extensively investigated and used for scientific and industrial applications. For sensing photonics, interferometric sensors feature high accuracy, high resolution, high bandwidth, high signal capacity, and in situ and real-time monitoring. The purpose of this Special Issue is to explore new discoveries to expand the possibilities for the use of micro- and nanofiber interferometers in a variety of sensing applications. Original manuscripts of unpublished work that have not yet been accepted by any other journals are solicited. The topics will cover functional materials, fabrication methods, device design, modeling, simulation, experiments, optimization, emerging sensor technologies, and applications related to the micro-nanofiber interferometers used in sensing photonics. The list of topics includes:

- New functional materials for micro- and nanofiber interferometers;
- New fabrication methods;
- New device structures;
- Measurements;
- Modeling;
- Fiber interferometric sensors;
- Multiparameter sensing;
- Emerging sensor technologies;
- Integrated intelligent sensor systems.

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### Guest Editors

Prof. Dr. Nan-Kuang Chen

Prof. Dr. Ken Grattan

Dr. Chun-Nien Liu

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### Deadline for manuscript submissions

closed (20 October 2022)



## Photonics

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

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### 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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