

## Special Issue

# Optical Coherence Tomography and its Applications

### Message from the Guest Editor

Optical coherence tomography (OCT) is a powerful non-invasive optical imaging technique that acquires real-time cross-sectional images with micron-scale resolution. Since its invention in 1991, OCT soon became an indispensable tool for the diagnosis and management of many eye diseases. Because of the technology's capabilities and inherent practicality, OCT continues to move into new biomedical applications including cardiovascular research, dermatology and dental diagnosis, small animal imaging and many more. In addition, with the advances in new light source (swept light source, supercontinuum light source, for example) and development in new imaging modalities (high-resolution OCT microscope, high-speed OCT angiography etc.), OCT has also expanded into non-medical application areas particularly in the non-destructive evaluation field including both off-line inspection and in-line process monitoring. This Special Issue is dedicated to cover some recent advances in novel technology, as well as medical and non-medical applications of OCT.

### Guest Editor

Prof. Dr. Yaochun Shen

Department of Electrical and Electronic Engineering, University of Liverpool, Liverpool L69 3GJ, UK

### Deadline for manuscript submissions

closed (30 April 2019)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/12946](https://mdpi.com/si/12946)

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

[mdpi.com/journal/](https://mdpi.com/journal/)

[appls](https://appls.mdpi.com)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

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

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )