



Optical Coherence Tomography and its Applications

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 April 2019)

Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Yaochun Shen
Guest Editor





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Message from the Editor-in-Chief

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