



## Fundamentals and Applications of Optical Frequency Combs

Guest Editors:

**Prof. Dr. Hairun Guo**

**Prof. Dr. Jijun He**

**Prof. Dr. Hualong Bao**

Deadline for manuscript  
submissions:

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### Message from the Guest Editors

Dear Colleagues,

Optical frequency combs represent a revolutionary technology that allows for precise time and frequency measurement in optics, offering an unprecedented methodology for metrology, spectroscopy and frequency synthesis. The Special Issue “Fundamentals and Applications of Optical Frequency Combs” is concerned with the groundbreaking advances, both in fundamental research and in applications, related to the topic of optical frequency combs. The areas of interest include (but are not limited to):

- New theory and emergent phenomena on mode-locked lasers and microcombs
- Self-referencing and frequency stabilization technique
- Key components and materials for optical frequency comb generation
- Optical frequency comb generation in ultra-violet, visible and mid-infrared
- Electro-optic modulation and frequency conversion
- Applications of optical frequency combs
- Coherent synthesized laser combs

