Special Issue

Photonic Jet: Science and Application

Message from the Guest Editors

Photonic jet is a subwavelength focusing effect arising from electromagnetic waves interaction with low-loss dielectric objects, including micro and nano spheres, fiber, cubes and even biological cells and spider silks. This special issue focuses on the recent advances on photonic jet developments, including both science and applications. Topics will include, but are not limited to:

- Label-free microscopy and imaging by photonic jet
- Sensing, trapping, manipulation and other applications of photonic jet
- Enhanced Raman scattering and photoluminescence by photonic jet
- High-index dielectric photonic jet lens
- Solid Immersion photonic jet lens
- Resonant and super-oscillation effects in photonic jet
- Metamaterial photonic jet
- Nonlinear photonic jet
- Integrated photonic jet devices
- Acoustic and Terahertz jet
- Photonic hook (curved photonic jet)

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2021)

About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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