



Ultrafast Laser Pulses

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Message from the Guest Editors

The Special Issue Ultrafast Laser Pulses aims at presenting recent advances in the generation and utilization of ultrafast laser pulses and future prospects of this key, fundamental, research area. Potential topics include, but are not limited to:

- Design and modeling of ultrafast laser systems
- Power scaling of pulsed lasers
- Fiber and waveguide lasers for ultrafast pulses
- Frequency conversion techniques
- CPA and OPCPA laser technologies
- High-repetition high-power ultrafast laser systems
- New techniques to measure ultrafast pulses
- Applications of ultrafast lasers
- Ultrafast pump-probe spectroscopy
- Ultrafast imaging
- Material machining and processing with ultrafast laser pulses
- Generation of extreme-ultraviolet and soft X-ray radiation with ultrafast lasers

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