



Advances and Applications in Ultrafast Spectroscopy

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Message from the Guest Editor

Dear Colleagues,

Ultrafast spectroscopy techniques that use ultrafast pulses with Femto- to attosecond durations as optical sources are able to study photoinduced dynamical processes in atoms, molecules, nanostructures, etc. Along with the technological progress in the generation of ultrashort pulses in various spectral regions and the development of spectroscopic techniques, ultrafast spectroscopy has experienced a significant growth in recent years. Ongoing research topics including dual-comb spectroscopy, pump-probe spectroscopy, high-dimensional spectroscopy, time-resolved THz spectroscopy, dispersive Fourier transform spectroscopy, hyperspectral imaging, digital error correction and evolving machine learning algorithm, are significant to facilitate the precise measurement and detailed study of the dynamical process mentioned above.

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Guest Editor





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Message from the Editor-in-Chief

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