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Ultrafast Light-Matter Interaction

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Deadline for manuscript submissions: **15 December 2024**

Message from the Guest Editor

Dear Colleagues,

Intense optical pulses can coherently control dynamic processes in matter, leading to light-induced transformations that have great potential for future technological breakthroughs. There has also recently been great progress in the developement of advanced light sources, like high-harmonic generation (HHG) sources or free-electron lasers. These advances enable us to resolve light-induced processes with unprecendeted time resolution, atomic specificity, and spacial detail.

In this Special Issue, we invite submissions exploring the optical control of matter, suggesting methods to follow dynamics with advanced light sources or discussing progress in the development of ultrashort x-rays or extreme ultraviolet pulses. Both theoretical and experimental studies are welcome, as well as review papers.

Specialsue

Prof. Dr. Daria Popova-Gorelova *Guest Editor*



ndpi.com/si/106420





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