# **Special Issue**

## Ultrafast Light-Matter Interaction

### Message from the Guest Editor

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 development 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.

### **Guest Editor**

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#### Deadline for manuscript submissions

closed (15 December 2024)



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