Special Issue

Femtosecond Lasers: Latest Advances and Application

Message from the Guest Editor

Femtosecond lasers have been widely used for technological developments and scientific research. The unique properties of ultrashort pulse widths and intense peak powers and the highly flexible and integrated structure have enabled progress in various fields of industry and research. The applications of femtosecond lasers cover a wide range of areas including particle manipulation and trapping (such as optical tweezers, quantum manipulation), micro/nano-machining, laser 3D processing, laser microscopy, laser-based medical applications, the development of new wavelength ranges, supercontinuum generation, laser-material interactions, laser interaction in liquids, inscription of integrated waveguide circuits, telecommunications, etc. There has been significant progresses in the field of femtosecond lasers in recent years, such as new techniques for the characterization of ultrashort pulses and ultrafast events. This Special Issue aims at presenting original state-of-the-art research articles on femtosecond lasers and their applications.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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