Special Issue

Research and Application of Semiconductor Lasers

Message from the Guest Editor

Applied Sciences Special Issue on "Research and Application of Semiconductor Lasers". The topics may include but are not limited to: -Photonic crystal & nanoscale semiconductor lasers;
-Dynamical phenomena in semiconductor lasers;
-Optical processing using semiconductor lasers;
-Short pulse lasers and mode-locked lasers;
-Semiconductor laser comb generation;
-Optical millimeter wave generation;
-Semiconductor optical amplifiers;
-Short & Long wavelengths lasers;
-High-power & High-speed lasers;
-Lasers for telecommunication;
-Laser physics and modeling;
-Photonic integrated circuits;
-Super-luminescent diodes;
-Laser-integrated devices;
-Surface-emitting lasers;
-Topological insulators;
-Lasers on silicon. All these topics are equally welcome both in the framework of theoretical and highly sophisticated experimental investigations and under the aspects of a huge field of visionary applications. Prof. Dr. Wolfgang Elsaesser

Guest Editor

Prof. Dr. Frédéric Grillot

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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.

Editor-in-Chief

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