Special Issue

Quantum Dot Lasers and Laser Dynamics

Message from the Guest Editors

For years, we have been packaging semiconductor lasers with strong isolators to damp any dynamic effects from disrupting into chaos and producing anomalous behaviors. However, in the quest for ever-increasing density of optical interconnects and with new discoveries in optical computing and laser-based neural networks, deeper insights are required into how lasers behave in the presence of different forms of optical and electrical feedback. This Special Issue invites investigators to broaden our community's understanding of recent theoretical and empirical discoveries related to laser dynamics in general, and/or quantum dot lasers in particular. Isolator-free operation, mode-locked and other comb lasers, optical phase locked loops, direct modulation in excess of the photon lifetime of the cavity, (self-)injection locking. and other dynamic behaviors are all interesting phenomena related to this special topic. If you have any measurements or simulations which can shed more light on these fascinating and useful research topics, we would like to review your contribution.

Guest Editors

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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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