



Semiconductor Lasers: Innovations, Challenges, and Future Perspectives

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims at presenting original state-of-the-art research articles dealing with the dynamics and stability of semiconductor lasers in a broad sense, with special emphasis on their operation in a photonic integrated chip. Specifically, papers are solicited dealing with semiconductor lasers coupled to various kinds of external optical perturbations, such as delayed feedback, delayed coupling, optical injection, photonic nerve signal injection, etc. Researchers are invited to submit their contributions to this Special Issue. Topics include, but are not limited to:

- Semiconductor lasers;
- Dynamics and stability;
- Narrow linewidth lasers;
- Feedback-induced dynamics;
- VCSELs;
- Ring lasers;
- Semiconductor disk lasers;
- Neuromorphic computing based on semiconductor lasers;
- Quantum dot lasers;
- Frequency combs;
- Integrated lasers;
- Pulse lasers.

