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Physics of Light-Matter Coupling in Nanostructures

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is devoted to the 23rd International Conference on Physics of Light–Matter Interaction in Nanostructures (PLMCN-23). Its focus is on the fundamental and technological issues faced in the realization of a new generation of opto-electronic devices based on advanced low-dimensional and photonic structures, such as low-threshold polariton lasers, new optical switches, single-photon emitters, photonic band-gap structures, etc. This issue reviews recent achievements in the fundamental understanding of strong light–matter coupling, and follows progress in the development of epitaxial and processing technologies related to wide-gap semiconductors, organic nanostructures, and microcavities, providing the basis for advanced optical studies. Results in emerging fields such as carbon nanotubes, quantum information, and unconventional optical computing are also welcome.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

Welcome to *Condensed Matter* (ISSN 2410-3896)! It gives me great pleasure to invite you to publish in the journal. We are looking to build a collection of high quality research articles, supported by a community from across the field of condensed matter physics. In this task, I will be assisted by a highly qualified editorial board. We accept papers on basic research as well as applications, and experimental or theoretical work. Currently the journal is indexed by ESCI (Web of Science) and hope you can consider *Condensed Matter* as an exceptional home for your manuscript.

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