Special Issue

Electron–Phonon Coupling in Semiconductors

Message from the Guest Editors

Semiconductor devices, which still monopolize our electronic technology, depend on the transport of quantum states similar to electrons in the presence of many-body interactions. Electron-phonon coupling is precisely the interaction of many bodies that occupies the most prominent position due to its contribution to the modulation or limitation of charge motility and / or spin transport.

This special issue aims to address current problems in relation to electron-phonon interaction semiconductors, highlighting the latest scientific knowledge on the mechanisms involved in the formation of polarons, their physical properties and / or the experimental or theoretical technique to attack this problem. In other words, articles are welcome to deal with any new perspective, material system or theoretical approach in relation to electron-phonon interaction in semiconductors from theory or experiment.

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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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