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Semiconductor with Novel Electronic and Optoelectronic Properties: Design, Fabrication and Characterization

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Message from the Guest Editor

Semiconductors with novel electronic and optoelectronic properties have become an extremely active research field, encompassing novel electronic and optoelectronic materials, nanomaterials, physical phenomena and design concepts. The objective of this Special Issue is to address these conceptual challenges while highlighting novel trends in electronic and optoelectronic materials and devices, such as the structural properties, band structure, transport, surfaces and interfaces, optical and magnetic properties of semiconductor structures. In addition to conventional semiconductor physics, self-assembled structures, mesoscopic structures and the developing field of spintronics, the effects of low-dimensional physics and strain are included, as well as its modeling and component development.



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Special Issue



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Message from the Editor-in-Chief

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