



Special Issue Reprint

Superconducting and Graphene-based Devices

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This Special Issue reprint aims to collect new or improved ideas to exploit superconducting materials, as well as graphene, towards achieving innovative devices, either at a small scale, as well as at a large scale. Several potential applications of graphene are enhanced by the possibility to modify its surface to introduce a non-zero bandgap, to tune adhesion and/or hydrophobicity/hydrophilicity, etc. These surface properties are crucial to the realization of graphene-based devices. Papers demonstrating graphene and/or superconducting devices, device processing, characterization, and applications, are particularly welcomed.

Topics in this Special Issue include, but are not limited to:

- Graphene devices
- Graphene based heterostructures
- Superconducting interfaces
- Superconducting devices
- Electronic, optical, photonic and magnetic properties
- Surface and interfacial characterization techniques
- Device integration and fabrication



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