

CALL FOR PAPERS

19th - 22nd September



2022 Fall Meeting

Abstract deadline: June 6th, 2022
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Nanomaterials

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Materials- nanoelectronics and nanophotonics

This symposium will cover:

- Materials Synthesis: From 0D, 1D, 2D, and 3D, Multifunctional Smart Materials.
- Investigations: Structures and properties, Advanced Characterizations, Materials Engineering.
- Applications: (a) Electronics- Nanosensings, (b) Photonics/Plasmonics/Photovoltaics/Technologies, (c) Energy Technologies/ Renewable Energy, (d) Environment-Photocatalysis, Water Purification, (e) Nanomaterials for Life, (f) Sustainable Materials, (g) Materials for Green Transition.

Hot topics to be covered by the symposium:

- Hybrid Metal Oxide Materials (0D, 1D, 2D, 3D): Synthesis & Characterizations, Structure-property relations, Advanced Characterizations, Applications: Electronics-Chemistry-Energy-Sensing-Biomedical-Environmental;
- Plasmonic Nanostructures: Synthesis & Characterization, Sensing and Nanophotonics Applications;
- Doped and surface modified nanomaterials for electronic, optoelectronics and sensing;
- Carbon Family (Fullerenes to 3D graphene, nanodiamonds): Fabrication & Characterizations, Properties, Simulations studies, Applications: Nanoelectronics-Sensing-Supercapacitor-Batteries-Energy;
- Quantum Dots/perovskites: QDs have recently gained huge interests and one session will be devoted;
- Synchrotron radiation/Ion beam-based material characterizations and engineering.

Symposium organizers

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