

Nanomaterials for Energy

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Description

This session organized in partnership with the **GDR NAME** aims to invite the multidisciplinary scientific community to present and discuss the latest developments and the future trends and challenges.

The main topics cover the elaboration and characterization and modeling of nanomaterials for energy and the nano-micro systems required for applications:

- materials for energy production (piezoelectrics, thermoelectrics, photovoltaics ...)
- materials for energy storage
- new processes of elaboration and integration in devices
- measurements methods ; those dedicated to the nanoscale heat transfer measurements are part of the session "Nanoscale heat transfer - measurement"
- phonon, electron, photon, mass transport properties
- simulation and modeling of nanostructures and nanostructured-materials and interfaces

Keywords

nanomaterials: elaboration, characterization; energy: transport, production, storage, systems, simulation & modelling

Scientific committee

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GDR Nanomaterials for Energy Applications