

TOPICS

Topics include but are not limited to:

New Science & Novel Materials at sub-micron and nano scale.

Nanotechnology.

Nanomaterials for Photonics.

Nano Electronics, Devices and Sensors.

Nanomaterials for Energy Applications.

Nanomagnetism.

Biomedical applications of nanomaterials.

Nanocomposites and multiscale materials.

Nanotoxicology.

Nanometrology.

Multifunctional nanomaterials.

Advanced Characterization Tools at the Nanoscale.

In particular, papers on the following subjects are expected:

T01 - 2D molecular self assembling on surfaces and surface functionalization

T02 - Nanostructured Materials for energy applications

T03 - Environment

T04 - Advanced Characterization techniques of nanostructures

T05 - Nanoelectronics, Nanodevices and sensors (MEMS, NEMS..)

T06 - Nanofabrication

T07 - Materials with controlled nanostructure via chemical methods

T08 - Nanophotonics

T09 - Mechanical properties of nanostructured materials

T10 - Modelling and simulation of nanostructures

T11 - Nanomedicine

T12 - Nanobiotechnologies

T13 - Nanocomposite materials

T14 - Catalysts

T15 - Organic-Inorganic Hybrid Materials

- T16 - Nanomaterials for information storage**
- T17 - Atomic clusters**
- T18 - Nanoparticles**
- T19 - Carbon nanotubes and graphene**
- T20 - Nanotoxicology**
- T21 - Atomic manipulation**
- T22 - Defects in nanostructures**
- T23 - Nanoporous materials**
- T24 - Nanometrology**
- T25 - Nanostructured semiconductors**
- T26 - Nanomagnetism**
- T27 - Multiscale materials**