

14th INTERNATIONAL CONFERENCE ON SURFACES, COATINGS AND NANOSTRUCTURED MATERIALS

10-14 July - Athens (Greece)



Date:

10-14 July 2023

Webpage:

www.nanosmat2023.com

Contact:

contact@nanosmat2023.com

Venue:

Titania Hotel | Athens | Greece

Special Session on

NANOMATERIALS AND NANODEVICES FOR ENERGY

This session is dedicated to the recent developments of nanomaterials and nanocomponents that play a significant role in the energy devices of the future.

The main topics of interest are:

- Emerging nanomaterial synthesis and characterizations techniques for energy applications;
- Nanomaterials for piezoelectric, triboelectric, and photovoltaic applications;
- Fabrication of generators and batteries based on nanostructured materials;
- Thermal-to-electrical converters (thermoelectric, pyroelectric and electrocaloric) characterized by nano-architectures;
- Hybrid devices with components at the nanoscale for energy harvesting and conversion.

INVITED SPEAKERS:

'Femtosecond Laser Surface Nanopatterning and Energy Applications'

Prof. Chunlei Guo

University of Rochester, USA

'Thermionic enhanced near field Thermophotovoltaics'

Prof. Alejandro Datas

Instituto de Energía Solar - Universidad Politécnica de Madrid (IES-UPM), Spain

FOR MORE DETAILS:

<https://www.nanosmat2023.com/nne.html>

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