# NANOTEXNOLOGY 2016

## Event - NANOTEXNOLOGY 2016 ↻

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| **Title** | NANOTEXNOLOGY 2016 |
| **When** | Di, 5. Juli 2016 - Fr, 8. Juli 2016 |

## Description

NANOTEXNOLOGY 2016

The 13th International Conference on Nanosciences & Nanotechnologies (NN16), takes place on 5-8 July 2016, at Thessaloniki, Greece.

The NN16 Conference is an Internationally established world-class event in N&N since 2004.
Its main objectives focus is on following topics:

NANOMATERIALS, NANOFABRICATION, NANOENGINEERING & NANOCONSTRUCTION

The scope of this workshop is to be a major meeting place of scientists and engineers from all over the world, who are active in studying the innovative combination and design of nanomaterials, their development, fabrication, growth, processing and their characterization. The common place of the workshop is that the form of the concerned materials should be associated with the nanoscale and/or their properties should be manifested and applied at the nanoscale.

**Workshop 2 topics at a glance:**

**Workshop on Carbon Materials (in complementation with W5)**
•Fabrication techniques
•Physical (Optical, Electronic, Structural, etc.) properties
•Applications
•Fullerenes and endohedral fullerenes
•Carbon nanotubes

**Polymer Nanotechnologies**
•Nanohybrids
•Nanocomposites
•Nanopatterning

**Nanomaterials, Development, Properties & Characterization**
•Organic-inorganic nanohybrids
•Quantum dots, quantum wires and methods for their growth and self assembly
•Nanostructured thin films (e.g. superlattices and multilayers)
•Self assembled molecular materials
•Nanopowders and granular materials in nanoscale
•Synthesis, Processing & Characterisation of Nanomaterials and Thin Films
•Laser and photon for synthesis, structuring, processing of nanomaterials

•Instrumentation, Nanometrology and Nanotools
•Opto-Electronic properties of hybrid and composite materials and devices
•Magnetic properties of nanocomposites and multilayers
•Biological, catalytic, electrochemical, hydrophobic properties of patterned nanosurfaces
•Enhanced mechanical properties due to nanostructuring
•Size-dependent properties of nanomaterials
•Nanomechanics, Nanoindentation and Nanotribology

**For better Understanding, Theory & Computations**
•Theory underlying materials' properties and processes at the nano-scale.
•Modeling and computational approaches for the design of novel materials.
•Theory and computational studies of the structural and mechanical properties.
•Modern calculations for the prediction and characterization of the optoelectronic properties.
•Theoretical-computational modeling of devices or processes for the optimization of performance.
•Latest developments in methodologies and computational science for nanotechnology.

**Nanoconstruction and Building Materials**
•Nanotechnology and Nanomaterials in Construction
•From macro to nano in Consctruction
•Nano-materials & Nano-construction
•Achievements of Nanotechnology in construction
•Physical and Mechanical properties at nanoscale of the Constructive Materials
•Nanomaterials & Green Nano-construction
•Computational Modelling in Nano-construction.
•Nanomaterials for protection and decoration
•Nanostructured and composite materials for buildings

**Biomaterials at Nanoscale (complementary to W3)**
•Biomaterials (Metals, Polymers, Ceramics, Glasses)
•Natural Materials
•Biomimetic & Smart Materials
•Composites & Porous Materials
•Nanofabrication and Nanometrology
•Effect of nanomaterial properties to their biocompatibility
•Mechanical behaviour of nanomaterials (e.g. nanofibres)

You can learn more about this event by following this link:

www.nanotexnology.com

## Venue - Thessaloniki

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| **Location** | Thessaloniki |
| **City** | Thessaloniki |

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|---|---|
| **Country** | GR |