



# Nanomaterials: Applications & Properties - 2014

## the 4<sup>th</sup> International Conference

## 21-27 September Alushta, the Crimea, Ukraine

### Venue

**Address:** Golden Kolos Resort  
9, Chervonoarmiys'ka Str.,  
Alushta, the Crimea, Ukraine

**Web:** [www.goldenkolos.com](http://www.goldenkolos.com)

### Dates

**Submission opened:** 01 December, 2013  
**Submission closed:** 01 May, 2014  
**Program posted online:** 01 July, 2014  
**Registration opened:** 01 September, 2014  
**Registration closed:** 15 September, 2014

### Fees

**Regular:** 300 Euro  
**Regular ex-USSR:** 75 Euro  
**Phd Student:** 120 Euro  
**Phd Student ex-USSR:** 30 Euro  
**Student:** 60 Euro  
**Student ex-USSR:** 15 Euro

### Contacts

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 [linkedin.com/groups/Nanomaterials-Application-Properties-4112736](https://www.linkedin.com/groups/Nanomaterials-Application-Properties-4112736)  
 [facebook.com/nap.conference](https://www.facebook.com/nap.conference)

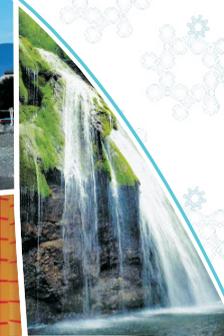


### Organizers

**Prime Organizer:** Sumy State University (Ukraine)  
**Supported by:** Ministry of Education and Science of Ukraine  
**Organizers:** Lublin University of Technology (Poland)  
Kaunas University of Technology (Lithuania)

### Why NAP?

- Wide variety of actual topics
- interdisciplinarity and bringing together theory and experiment
- smart website for dissemination of your activity
- open access Proceedings, that are promoted to well known databases
- fee discounts for students and postgraduates
- comfortable hotel (Cat B) as the conference host
- beautiful nature of the Crimean southern coast.



# Track policies

## 1. Properties and Characterizations of Surfaces and Interfaces

Physics and chemistry of the surfaces and interface, the practical aspect of its preparations and growth.

## 2. Functional Nanostructured Coatings

Methods and technologies for coating of particles and surfaces as a method of artificial design of their specific properties.

## 3. Nanoparticle and Nanodevice Production Technology

Techniques and methods for the nanoparticles synthesis low cost and precision, engineered nanosystems and nanoscale machines.

## 4. Nanopolymers and Nanocomposites: Synthesis and Applications

Ordered polymer structures, polymer layered nanocomposite, inorganic-organic hybrid systems, nanofibrous materials, high hardness WC/Co materials, nanocomposite cements.

## 5. Carbon Based Nanoscale Materials

The formation, physical and chemical properties of carbon nanotubes, fullerenes, carbon fibers and filaments, graphene, pyrolytic carbons, glass-like carbons, etc.

## 6. Nanomaterials for Energy Applications

Physics, chemistry and engineering of nanomaterials and nanodevices used in all forms of energy conversion, harvesting, storage.

## 7. Nanostructured Thin Films

Nanothickness and nanostructured metal and semiconductors thin films, its fundamentals, and producing methods.

## 8. Plasma and Ions for Surface Engineering. Radiations Effects

Physics of materials processing using ion and plasma beams, simulation and theory to surface modification of material.

## 9. Measurement and Analysis of Nanoscale

The advances in measurement science and technology in nano area, in particular dimensional metrology technique, identification of relevant physico-chemical properties, standards and calibration.

## 10. Magnetic Fine Particles and Multilayers

Magnetic properties of the nanoparticles, nanostructures, multilayers, GMR phenomena and spin dependent transport.

## 11. Nanomaterials Applications in Electronics, Spintronics and Photonics

Utilising the nanostructured materials in modern electronic trend, new elementary base, and new architecture of computers.

## 12. Nanomaterials Applications in Biotechnologies and Medicine

Bioseparations, biosensing, assay labelling, bioimaging, hyperthermia cancer treatment, targeted drug delivery and toxin removal, based on nanoparticles medical diagnostics methods.