NANOmaterials: Applications & Properties -2013

3rd International Conference
Alushta, the Crimea, Ukraine

September, 16-21

Venue

UkoopSpilka Hotel, 3A, Chatyrdagskaya Str., Alushta, the Crimea, Ukraine

Latitude: 44.660522°(N), Longitude: 34.405185°(E)

Organizers

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

Important dates

Submission opened:	10 December, 2012
Submission closed:	20 May, 2013
Registration opened:	01 September, 2013
Registration closed:	10 September, 2013

Why NAP?

- breadth of interests of the Conference and actual topics;
- smart website for dissemination your activity;
- open access Proceedings, that are issued before the Conference sessions;
- fee discounts for students and postgraduates;
- beauteful nature of the Crimean southern coast;

Contacts

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NAP-2013

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September, 16-21, Alushta, the Crimea, Ukraine

Track Policies

1. Nanostructured Thin Films

Nanothickness and nanostructured metal and semiconductors thin films, its fundamentals, structure-property relationships. Biologycal films and monolayers.

2. Properties and Characterizations of Surfaces and Interfaces

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

3. Producing and Characterizations of Nanoparticles

Techniques and methods for the nanoparticles synthesis low cost and precision, including particles with complex structure.

4. Nanomagnetism: Fine Particles and Magnetic Multilayers

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

5. Functional Nanostructured Coatings

Methods and technologies for coating of particles and surfaces as a method of artificial design of their specific properties. Functionalization for the catalysis, biosensors, and Organic molecules separation.

6. 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.

7. Nanopolymers and Nanocomposites, Carbon Nanomaterials

Properties, producing techniques, present and potential applications of such matters. Special attention to carbonaceous materials, and nanodiamonds.

8. Nanomechanics, Nanodevices Producing and Applications

Fundamental mechanical properties of physical systems at the nanometer scale, engineered nanosystems, and nanoscale machines.

9. Advances in Equipment and Technologies

A new equipment and working out of a new methods for the producing of nanomaterials producing or their properties measurements. Improvement of equipment and techniques.

10. Nanomaterials Applications in Electronics, Spintronics and Photonics

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

11. 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.

12. Nanomaterials for Energy Applications

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

Learn more

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