

# SS-NN09

## N&N09



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PARALLEL EVENTS:



## N&N09

## General Information & Goal

After the successful organization of the 1<sup>st</sup> and 2<sup>nd</sup> International Summer School on “Nanosciences & Nanotechnologies” (SS-NN07 & SS-NN08), which 55 students from 23 countries attended, the 3<sup>rd</sup> International Summer School on “Nanosciences & Nanotechnologies” (SS-NN09) is organised. It will offer a detailed account of advances related to Nanosciences in a wide variety of fields, and prospects for translating them into Nanotechnology applications. The Summer School, including the NN09 International Conference, will review the current state of knowledge in the various fields of Nanosciences & Nanotechnologies (NN). The aim of the SS-NN09 is the training of the next-generation researchers in the multidisciplinary fields of Nanotechnology. The SS-NN09 includes lectures by distinguished scientists on the current trends in NN and state-of-the-art methods and techniques, as well as experimental demonstration in laboratory facilities. We expect that the SS-NN09 would be a gate way for innovative high-tech ideas coming from enthusiastic young researchers. Top experts in academia, research and industry will give lectures in the SS-NN09 sessions, on the fields of: *Organic Electronics & Nanoelectronics, Nanobiotechnology & Nanomedicine, Materials – Properties, Techniques & Computing at Nanoscale, Thin Film & Nanomaterials Technology, Nanometrology*. The lectures will be based on key principles together with case studies by industry and academia to illustrate the applications of nanotechnology. Special emphasis, under parallel and more focused sessions, will be given to:

- NN
- **Organic Electronics\***
- **Nanobiotechnology and Nanomedicine**

\* For those who are mostly interested in Organic Electronics, there is also a great opportunity to participate to the IS-FOE09 Conference (8-10/7/09, close to Thessaloniki, <http://isfoe.physics.auth.gr>).

## Aims of the School

By the end of the school, you will obtain:

- An overall knowledge on the current nanotechnology achievements
- A comprehensive knowledge on the state-of-the-art characterization techniques
- An extensive learning for specific nanotechnology applications
- Networking with first class Scientists, Researchers and people from Industry

## Who should attend?

- Undergraduate students
- Graduate students
- Post Graduate Students
- Post Doctoral Fellows
- Researcher Scientists
- All those who wish to be introduced and apply nanotechnology in their research activities

## Venue

The SS-NN09 will be held in the beautiful, sunny and romantic Thessaloniki. Lots of places for sightseeing, such as museums, ancient ruins & temples and beaches in the surrounding area will leave memorable impressions to all participants, a few km from the beautiful Chalkidiki with the most idyllic beaches in Greece and 80 km from Vergina, the Capital of Makedonia.

**SS-NN09 SITE:**

<http://nnconf.physics.auth.gr/summerschool/index.html>

**SS-NN09 : The official language will be English**

## Invited Lecturers

- ❖ Prof. G. Malliaras, Dept. of Materials Science & Engineering, Cornell, USA
- ❖ Dr. T. Anthopoulos, Imperial College, UK
- ❖ Prof. E. Giannelis, Materials Science & Engineering Dept., Cornell University, USA
- ❖ Prof. M. Damjanovic, Univ. of Belgrade, Department of Physics, Serbia
- ❖ Prof. G. Kousoulas, Division of Biotechnology and Molecular Medicine, Louisiana State University, USA
- ❖ Prof. P. Vassilopoulos, Dept. of Physics, Concordia University, Canada
- ❖ Dr. V. Koutsos, Institute for Materials and Processes, School of Engineering and Electronics, University of Edinburgh, UK
- ❖ Dr. N. Meyer, AIXTRON, Germany
- ❖ Prof. S. Logothetidis, Physics Dept. AUTH, Greece
- ❖ Dr. A. Nassiopoulou, Inst. of Microelectronics, NCSR Demokritos, Greece
- ❖ Prof. A. Varonides, Physics & Electrical Engineering Dept., Univ. of Scranton, USA
- ❖ Prof. J. Kallitsis, Chemistry Department, University of Patras, Greece
- ❖ Assoc. Prof. A. Konstandopoulos, CPERI, Greece
- ❖ Prof. S. Anastasiadis, Chemistry Dept., Univ. of Crete, Greece
- ❖ Prof. M. Arsenakis, Biology Department, AUTH, Greece
- ❖ Ass. Prof. N. Frangis, Physics Department, AUTH, Greece
- ❖ Ass. Prof. C. Lioutas, Physics Department, AUTH, Greece
- ❖ Dr. L. Tsetseris, Dept. of Physics and Astronomy, Vanderbilt University, Nashville, Tennessee, USA & Physics Department, AUTH, Greece
- ❖ Dr. S. Kassavetis, Physics Department, AUTH, Greece
- ❖ Dr. M. Gioti, Physics Department, AUTH, Greece
- ❖ Dr. G. Papadopoulos, Department of Biochemistry and Biotechnology, University of Thessaly, Larissa & Physics Department, AUTH, Greece
- ❖ Ass. Prof. H. Polatoglou, Physics Department, AUTH, Greece
- ❖ Ass. Prof. T. Choli-Papadopoulou, Chemistry Department, AUTH, Greece
- ❖ Prof. K. Komvopoulos, Dept. of Mechanical Engineering, Univ. of California at Berkeley, USA
- ❖ Dr. K. Porfyrakis, Dept. of Materials, Oxford University, UK
- ❖ Ass. Prof. P. Patsalas, Dept. of Materials Science & Engineering, University of Ioannina, Greece
- ❖ Prof. Ch. Dimitriadis, Physics Dept., AUTH, Greece

SS-NN09 is organized by the Interdisciplinary Postgraduate Program "N&N" the Thematic Network "NanoNet", and the Laboratory for Thin Films – Nanosystems & Nanometrology (LTFN).