



# Advancements in Nanotechnology and Microelectronics



Humboldt Kolleg '09

AN&M'09

13 & 14 November 2009  
Tunisia



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The Humboldt Kolleg'09 sponsored by the Alexander von Humboldt Foundation (Germany) on "Advancements in Nanotechnology and Microelectronics" organized by Tunisian Humboldtianer seeks contributions from young and juniors researchers interested in Semiconductor, Quantum Optics, Microsensors and Microsystems, DNA Biochips, Photovoltaic Cells, Renewal Energy, Molecular Biophysics, Nanomaterials and Nanostructures for Microelectronic Applications. The conference addresses all aspects of research related to the development, characterization, test, design and packaging of new materials for nanodevices engineering. It covers the design process, fabrication method, characterization techniques and tools for microelectronics. Moreover, the conference scope includes other application fields such as telecommunication, biomedical and automotive systems. The success of the interdisciplinary conference lies in the effort made by each participant.

## Main Topics of Interest:

- Nanodevices and Nanomaterials
- Microsensors and Microsystems
- Photonic Gap Materials and Applications
- Biosensors and Bioelectronics
- New Conducting Polymers for Microelectronic Devices
- Physics of Biomembranes, Carbon Nanotubes and DNA bioChips
- Biomaterials and Biophotonics
- New Technologies of Quantum Optics
- Renewal Energy and Photovoltaic Cells
- Micro- and Nanoparticles for Drug Delivery
- Scanning Near-field Optical Microscopy Techniques (AFM, STM, SNOM)
- Nanometrology
- Modeling & Analysis, Embedded Systems
- Design & Test of Integrated Circuits
- Nanotechnology in Robotics

## Organization Committee

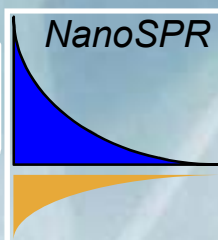
A. Abdelghani-INSAT, TN  
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## Submission Instructions

Authors are invited to submit original research work. The working language of the conference is English. Paper submission should be complete manuscripts of one page that clearly state the novel ideas, results and applications of the contribution. Submission will only be accepted electronically in word format. One author of each accepted paper should be present at the poster session of the conference.

## Important Deadlines

Manuscript Submission : **September 5<sup>th</sup>, 2009**  
Notification of Acceptance: September 25<sup>th</sup>, 2009



The Conference will take place at **El- Mouradi Hotel, Gammarth, Tunis**. For more information, including submission details, conference events, etc., visit the AN&M '09 web site: <http://www.AN&M09.com>