



# International Conference on Nanoscience and Nanotechnology

6 – 8, July 2011

Coimbatore Institute of Technology

## Report



Coimbatore Institute of Technology (CIT), Coimbatore along with CINVESTAV, Mexico jointly organized an “International Conference on Nanoscience and Nanotechnology” (ICNN -2011), during 6 - 8 July, 2011. . The Conference was inaugurated by the chief guest Dr.José Pablo René Asomoza y Palacio, Director General, Cinvestav, Mexico, in the presence of Dr.S.R.K.Prasad, Correspondent, CIT. Dr.S.R.K.Prasad, Correspondent, CITpresided over the inaugural function. An abstract proceeding of the conference was released during the inauguration of the conference.

Prof Alex Freundlich, University of Houston, Houston, delivered a lecture on Quantum Architectures and Nanotechnology paths to high efficiency photo voltaics. Dr.Ramaseshan of IGCAR, Kalpakkam, discussed about the Synthesis and Nanomechanical Characterization of TiAlN and its Multilayer Thin Films. Professor Tarasankar Pal of Indian Institute of Technology, Kharagpur delivered a lecture on Nanocrystalline Metals in Spectroscopy and Catalysis. A talk on Interfaces - Influence on magnetic and electrical properties in nanostructures was delivered by Dr.Sundar Manohar of Indian Institute of Technology, Kanpur. Prof. Abdelhadi kassiba, Universite of Maine, France, discussed on Core-shell nanocomposites based on nano particles and conducting polymers. Prof Kenneth Dawson, University College Dublin, Ireland, delivered a lecture on Interactions of nano scale objects with living organisms. Dr. Isaac Hernandez Calderon, cinvestav, Mexico, delivered a lecture on Excitonic and structural properties of layer by layer grown nanometeric and sub - nanometeric quantum wells and Dr. P.K. Singh Head, Photovoltaic Group, National Physical Laboratory, New Delhi gave a talk on Application of Nano-Technology in Wafer- based Silicon Solar Cells.

About 300 research papers were received from the participants across the Globe and after peer review 254 research papers were selected for presentation in the conference. Research papers on recent developments in nano materials, synthesis and characterization of nano materials, nanotubes, nanowires and nanorods, nano composites, application of nanomaterials in the field of medicine, solar cells etc. were presented in the conference. A panel discussion on the topic “Nanotechnology for medical engineering applications” was held on the first day evening of the conference.











