



## Press Release

# Bangalore INDIA NANO puts India on the forefront of Nanoscience and Nanotechnology

## Highlights of 6th Bangalore India Nano 2013

- **702** Delegates, **48** speakers, **50** Exhibitors
- Participants from **11** Countries
- Participants from **245** Indian and International Organisations
- **6** start-ups presented at the RICH platform
- **115** posters displayed
- **6** International Exhibitors

**Bangalore, December 6th 2013:** The **6th** edition of **Bangalore INDIA NANO**, India's biggest annual Nanoscience & Nanotech event, organised by the Department of IT, BT and S&T, Government of Karnataka under the able guidance of the Vision Group on Nanotechnology led by **Bharat Ratna Awardee Prof. C.N.R. Rao**, FRS, National Research Professor; Linus Pauling Research Professor; Honorary President, JNCASR; Chairman, Science Advisory Council to the Prime Minister of India; Chief Mentor Bangalore INDIA NANO; Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) and MM Activ Sci-Tech Communications concluded on a high note today. The event showcased a plethora of discussions, lectures and presentations on Nanoscience and Nanotechnology.

**6<sup>th</sup> Bangalore INDIA NANO** had the privilege and honor of hosting **Nobel Laureate Prof. Sir Andre Geim**, FRS Kt, Regius and Royal Society Research Professor School of Physics & Astronomy, University of Manchester, UK. The event was inaugurated yesterday by **Shri Siddaramaiah**, Hon'ble Chief Minister of Karnataka, in the presence of **Bharat Ratna Awardee Prof. C.N.R. Rao**, FRS, **Mr. Srivatsa Krishna**, IAS, Secretary to Government, Department of Information Technology, Biotechnology and Science & Technology and (DPA) e-Governance, Government of Karnataka, **Prof. A.K. Sood** - Department of Physics, Indian Institute of Science (IISc), Bangalore and **Mr. Jagdish Patankar**, MD, MM Activ Sci-Tech Communications. The prestigious **Prof. C.N.R. Rao Bangalore INDIA NANO Science 2013 Award** was presented to **Prof. Ashutosh Sharma**, IIT, Kanpur.



**Shri.Siddaramaiah**, Hon'ble Chief Minister of Karnataka, in his inaugural address, reiterated Karnataka's commitment to provide the necessary eco-system for the development of industry and has even allocated 14 acres of land on Tumkur Road. Several recommendations are being considered on initiatives for the growth and development of Nano Science and Technology.

A report by *MM Activ Sci-Tech Communications* on the previous 5 editions which encapsulates the evolution & surge of Nanotechnology in India through the platform of the Bangalore INDIA NANO titled '**Creating Growth Opportunities for Indian Nanoscience & Nanotechnology**' was released. A first of its kind '**Indian Nanotechnology Industry & Institutions Directory**' compiled by **CKMNT** (Center for knowledge Management of Nanoscience & Technology), Department of Science & Technology, Govt. of India was released at the inauguration function. The nanotech sector is rapidly growing and with India being one of the front runners in nanotech research, such a compilation would facilitate industry-academia collaboration, which is very critical for the development.

**Bangalore INDIA NANO** conference has been unique in the sense that it combines academic, research and the industry, which brings products from the academic research to the industrial world. The experts felt this was not a trivial task hence it was important for researchers and industry to present their work in a conference like **Bangalore INDIA NANO** and discuss it with stakeholders who can provide the means to go forward.

Cumulatively, organizations from **11** countries like The Netherlands, South Africa, USA, UK, Japan, Germany, Singapore, Israel, China, Austria & Canada participated in **6th Bangalore INDIA NANO**.

The **Conference Sessions** of **6th edition of Bangalore INDIA NANO** structured under the guidance of **Prof. A.K. Sood**, Chairman, Conference Executive Committee and its members, on **5th and 6th of December 2013** focused on *Food & Agriculture, Healthcare & Medicine, Energy & Water Management, Advanced Materials, Business Opportunities in Nanotechnology*.

The **Keynotes** were addressed by **Prof. Reshef Tenne**, The Drake Family Professor of Nanotechnology, Materials Scientist, Physical and Inorganic Chemist, Department of Materials and Interfaces, Weizmann Institute of Science, Rehovot, Israel; **Prof. Mercouri G. Kanatzidis**, Professor, Dept. of Chemistry, Northwestern University, USA; **Dr. Thomas Thundat**, Professor, Dept. of Chemical and Materials Engineering, Canada Excellence Research Chair in Oil Sands Molecular Engineering University of Alberta, Canada; **Prof. Dr. Horst Hahn**, Executive Director, Karlsruhe Institute of Technology (KIT), Institute for Nanotechnology, Germany and **Prof. Ashutosh Sharma**, Institute Chair Professor & C.V. Seshadri Chair Professor, Department of Chemical Engineering, Indian Institute of Technology, Kanpur.



This edition also featured a **Pre-Conference Tutorial** which saw an active participation from young researchers and students enabling them to interact with experts. Another initiative of reaching out to the young minds was “**Nano for the Young**” session which had an overwhelming response, not only from students but senior scientists speaking in the session. “Sometimes students come up with ideas which even we haven’t thought of, so it’s always a pleasant experience.” said one of them.

**Bangalore INDIA NANO 2013** featured **50** Exhibitors from across the globe including Germany Pavilion and an exhibitor each from Korea and Japan. The special DST Nano Mission Pavilion was represented by **11** members. The Exhibition turned out to be an excellent platform for Nanotech Research Fraternity, Industry, start ups and corporates to connect for mutual benefit and showcase cutting edge research work, innovative technologies and products for commercial applications. The Exhibition attracted over **2000** visitors.

The **leading exhibitors** included Scrum Inc from Japan; AXO Dresden GmbH, VDI Technologiezentrum GmbH, Germany Trade and Invest, Initiative Nano In Germany from Germany; Nano Technology Research Association from Korea; and Agilent Technologies, Tata Chemicals, Bruker, Horiba Scientific, IndianOil R&D, Amity University, VTU, UK Trade and Invest, leading IITs, Jain University, Indian Institute of Science, Institute of Nano Science and Technology, Inventys Research Company Pvt. Ltd., Jawaharlal Nehru Centre For Advanced Scientific Research (JNCASR), Labindia Nanobio Process, Mosiab Technologies, National Mineral Development Corporation (NMDC), UK Trade & Investment, and Visvesvaraya Technological University (VTU) from India.

**Best Exhibitor Awards 2013** were given to **FOUR** exhibitors; The Germany Pavillion for Content & Information category, TATA Chemicals for Interactive & Best Managed category, IIT Madras for Creative Design and Indian Oil R&D for innovative display.

The **Bangalore INDIA NANO Innovation Award 2013** was given to **RESIL CHEMICALS** for their Antibacterial nanosilver synthesis technologies for textile products and the **Malhotra Weikfield Foundation Nano Science Fellowship Award 2013** to **Five** researchers for their papers.

Young scientists and Researchers from various institutions and international Universities showcased several new concepts and ideas in the **Poster Session**. **Overall 115** posters were displayed by the researchers. The **Best Poster Awards 2013** was bagged by **Mr. K. Gopalakrishnan** of **JNCASR** for the poster titled '*Extraordinary Supercapacitor Performance of Heavily Nitrogenated graphene Oxide*', the 2nd place was bagged by **Mr. Ranjith Ramachandran** from Amrita Centre for Nanosciences & Molecular Medicine, placed 3rd was **Mr. P. Vineeth Mohanan** from IISc., and the 4th & 5th place was bagged by **Mr. Deepak Kumar** from Khajuria



Al-Ameen College of Pharmacy and **Mr. Parth Dadhania** from Indian Institute of Technology respectively.

For more information on **Bangalore INDIA NANO 2013**; visit: [www.bangaloreindianano.in](http://www.bangaloreindianano.in)

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