

**INAUGURATION OF EVENT**

Thursday, March 3rd, 2016  
10.00 am - 11.15 am  
Grand Ball Room

**Dignitaries**

:

**Shri Siddaramaiah**

Hon'ble Chief Minister of Karnataka

**Prof. C.N.R. Rao, FRS**

National Research Professor; Linus Pauling Research Professor;  
Honorary President, JNCASR;  
Chairman, Karnataka's Vision Group on Nanotechnology  
Chairman, Karnataka's Vision Group on Science & Technology

**Shri Y.S. Chowdary**

Hon'ble Union Minister of State for Science & Technology and  
Earth Sciences, Government of India

**Shri S.R. Patil**

Hon'ble Minister for Information Technology, Biotechnology and  
Science & Technology; Planning & Statistics  
Government of Karnataka

**Shri K.J. George**

Hon'ble Minister for Bangalore Development and Town Planning  
Government of Karnataka

**Shri. R. Roshan Baig**

Hon'ble Minister for Infrastructure Development  
Information and Haj, Government of Karnataka

**Shri Arvind Jadhav, IAS**

Chief Secretary to Government  
Government of Karnataka

**Prof. Dr. Clement Sanchez**

Chair, Chemistry of Hybrid Materials  
College de France - UPMC, Paris

**Ms. V. Manjula, IAS**

Principal Secretary, Department of Information Technology,  
Biotechnology and Science & Technology, Government of Karnataka

**Prof. A.K. Sood, FRS**

Department of Physics, Indian Institute of Science (IISc), Bangalore  
Chairman, Conference Executive Committee  
8th Bangalore INDIA NANO 2016

11.15 am - 11.45 am  
Tea / Coffee Break

**KEYNOTE LECTURE - I**Thursday, March 3rd, 2016  
11.45 am - 12.30 pm  
Grand Ball Room

- Chair & Opening Remarks** : **Prof. C.N.R. Rao**, FRS  
National Research Professor;  
Linus Pauling Research Professor;  
Honorary President, JNCASR;  
Chairman, Karnataka's Vision Group on Nanotechnology  
Chairman, Karnataka's Vision Group on Science & Technology
- Keynote Speaker** : **Prof. Dr. Clement Sanchez**  
Chair, Chemistry of Hybrid Materials  
College de France - UPMC, Paris

**KEYNOTE LECTURE - II**Thursday, March 3rd, 2016  
12.30 pm - 01.15 pm  
Grand Ball Room

- Chair & Opening Remarks** : **Prof. A.K. Sood**, FRS  
Department of Physics  
Indian Institute of Science (IISc), Bangalore
- Keynote Speaker** : **Prof. Dr. Young Hee Lee**  
Director, Center for Integrated Nanostructure Physics  
Professor, Institute for Basic Science  
Department of Energy Science and Department of Physics  
Sungkyunkwan University (SKKU), South Korea

01:15 pm - 02.45 pm  
Lunch Break

## CLEAN WATER

Thursday, March 3rd, 2016  
02:45 pm - 04:10 pm  
Grand Ball Room

**Chair & Opening Remarks** : **Prof. T. Pradeep**  
Institute Professor and Professor of Chemistry, Department of Chemistry, Indian Institute of Technology Madras, Chennai

**Speakers** : **Mr. Marc Andelman**  
President  
Mespilus Inc., Greater Boston, USA

**Prof. Tony Cass**  
Professor of Chemical Biology, Department of Chemistry  
Institute of Biomedical Engineering, United Kingdom

**Prof. Sung Jae Kim**  
Assistant Professor, Energy, Environment & Sustainability  
Laboratory, Department of Electrical and Computer Engineering  
Seoul National University, Seoul, South Korea

04:10 pm - 04:30 pm  
Tea / Coffee Break

## HEALTHCARE

Thursday, March 3rd, 2016  
04:30 pm - 06:00 pm  
Grand Ball Room

**Chair & Opening Remarks** : **Prof. Dr. Shantikumar Nair**  
Director, Amrita Centre for Nanosciences and Dean Research  
Amrita University, Kochi

**Speakers** : **Dr. Ashok Mulchandani**  
Distinguished Professor of Chemical & Environmental Engineering  
Chair, Material Science & Engineering Program; W. Ruel Johnson  
Chair in Environmental Engineering; Pioneer Faculty of  
Bourns College of Engineering, University of California, CA

**Prof. Mansoor M. Amiji**  
Distinguished Professor & Chairman, Department of Pharmaceutical  
Sciences, School of Pharmacy, Northeastern University, Boston, USA

**Dr. Swaminathan Sethuraman**  
Dean, Sponsored Research; Director, Centre for Nanotechnology &  
Advanced Biomaterials, SASTRA University, Tamil Nadu

**NANO EXCELLENCE AWARDS FUNCTION &  
NETWORKING DINNER**Thursday, March 3rd, 2016  
06:30 pm onwards  
Grand Ball Room

- Dignitaries** : **Prof. C.N.R. Rao**, FRS  
National Research Professor; Linus Pauling Research Professor;  
Honorary President, JNCASR;  
Chairman, Karnataka's Vision Group on Nanotechnology  
Chairman, Karnataka's Vision Group on Science & Technology
- Shri S.R. Patil**  
Hon'ble Minister for Information Technology, Biotechnology and  
Science & Technology; Planning & Statistics  
Government of Karnataka
- Ms. V. Manjula**, IAS  
Principal Secretary, Department of Information Technology,  
Biotechnology and Science & Technology  
Government of Karnataka
- Special Guest** : **Shri Mukesh Malhotra**  
Managing Director  
Weikfield Products Corporation LLP, Pune
- Awards** :
  - **Bangalore INDIA NANO Innovation Award**
  - **Malhotra Weikfield Foundation Nano Science Fellowship Awards**
  - **Best Exhibitor Awards** in the category
    - Content & Information
    - Interactive & Best Managed
    - Creative Design
    - Innovative Display

**KEYNOTE LECTURE - III**Friday, March 4th, 2016  
09.30 am - 10.15 am  
Grand Ball Room

- Chair & Opening Remarks** : **Dr. G. Sundararajan**  
Professor, Department of Metallurgical & Materials Engineering  
Indian Institute of Technology, Madras &  
Distinguished Emeritus Scientist  
International Advanced Research Centre for Power Metallurgy  
and New Materials (ARCI), Hyderabad
- Speaker** : **Prof. C.N.R. Rao Bangalore INDIA NANO Science Awardee**  
**Prof. V. Ramgopal Rao**  
P.K. Kelkar Chair Professor  
Department of Electrical Engineering  
Indian Institute of Technology Bombay, Mumbai

**KEYNOTE LECTURE - IV**Friday, March 4th, 2016  
10.15 am - 11.00 am  
Grand Ball Room

- Chair & Opening Remarks** : **Dr. H. Maheshappa**  
Vice Chancellor  
Visvesvaraya Technological University, Belgaum
- Speaker** : **Prof. Supratik Guha**  
Professor, Institute of Molecular Engineering  
University of Chicago  
Director, Nanosciences and Technology Division  
Argonne National Laboratory, Illinois

11.00 am - 11.30 am  
Tea / Coffee Break

**NANO FOR THE YOUNG**Friday, March 4th, 2016  
11.30 am - 01.00 pm  
Grand Ball Room

- Speakers** : **Prof. P.S. Anil Kumar**  
Associate Professor, Department of Physics  
Indian Institute of Science, Bangalore
- Prof. T. Govindaraju**  
Associate Professor, Bioorganic Chemistry Laboratory  
New Chemistry Unit, Jawaharlal Nehru Centre for  
Advanced Scientific Research (JNCASR), Bangalore
- Prof. Sushobhan Avasthi**  
Assistant Professor, Centre for Nano Science and Engineering  
Indian Institute of Science, Bangalore
- Dr. Priyanka Sabherwal**  
Scientist, Institute of Nano Science and Technology, Mohali  
*An autonomous Institute of Dept. of Science & Technology  
Government of India*

**NANO SPARX COMPETITION**Friday, March 4th, 2016  
11.30 am - 01.00 pm  
Lalit 3&4

- Conducted by** : **Prof. Rudra Pratap**  
Professor & Chairperson  
Centre for Nano Science and Engineering (CeNSE)  
Indian Institute of Science, Bangalore

**POSTER INTERACTIVE SESSION**Friday, March 4th, 2016  
11.30 am - 01.00 pm  
Magadh Extension

- Conducted by** : **Dr. P.S. Anil Kumar**  
Associate Professor, Department of Physics  
Indian Institute of Science, Bangalore

01.00 pm - 02.00 pm  
Lunch and Exhibition Interaction

## ENERGY

Friday, March 4th, 2016  
02.00 pm - 03.30 pm  
Lalit 1&2

**Chair & Opening Remarks** : **Prof. G.D. Yadav**  
Vice Chancellor and R.T. Mody Distinguished Professor  
J.C. Bose National Fellow (Government of India)  
Institute of Chemical Technology (ICT), Mumbai

**Speakers** : **Dr. S.S.V. Ramakumar**  
Executive Director (Refining Technology)  
Refining Technology, Automotive Oils & NanoTech  
Indian Oil Corporation Limited, R&D Centre, Faridabad

**Prof. S. Sampath**  
Professor, Department of Inorganic and Physical Chemistry  
Indian Institute of Science (IISc), Bangalore

**Dr. Aninda J. Bhattacharyya**  
Associate Professor, Solid State and Structural Chemistry Unit  
Indian Institute of Science (IISc), Bangalore

## NANO MANUFACTURING

Friday, March 4th, 2016  
02.00 pm - 03.30 pm  
Lalit 3&4

**Chair & Opening Remarks** : **Prof. Rudra Pratap**  
Chairperson, Centre for Nano Science & Engineering (CeNSE)  
Indian Institute of Science, Bangalore

**Speakers** : **Prof. Anil Kumar**  
Professor, Chemistry Department; Center for Excellence in  
Nanoelectronics (CEN), National Center for Excellence in  
Technologies for Internal Security (NCETIS)  
National Center for Photovoltaic Research & Education (NCPRE)  
Indian Institute of Technology, Bombay, Mumbai

**Prof. Prosenjit Sen**  
Assistant Professor, Centre for Nano Science & Engineering (CeNSE)  
Indian Institute of Science, Bangalore

**Prof. Ramesh Singh**  
Associate Professor, Indian Institute of Technology Bombay, Mumbai

03.30 pm - 04.00 pm  
Tea / Coffee Break

RESEARCH INDUSTRY COLLABORATION HUB (RICH)  
PRESENTATIONS

Friday, March 4th, 2016  
04:00 pm - 05:15 pm  
Grand Ball Room

- Panelists** :
- Dr. H. Purushotham**  
Chairman and Managing Director  
National Research Development Corporation, New Delhi
  
  - Dr. Puneet Mehrotra**  
Managing Director  
Nano Science and Technology Consortium (NSTC), Noida  
*A Division of Consortium eLearning Network Pvt. Ltd.*
  
  - Dr. Geetha Balkrishna**  
Director & Professor  
Center for Nano and Material Sciences,  
Jain University, Jain Global Campus, Bangalore
- Start-Up Presentations** :
- Mr. Gadhadar Reddy**  
Chief Executive Officer  
NoPo Nanotechnologies India Pvt. Ltd.
  
  - Mr. Ankur Singh**  
Business Development Manager  
KAS Technologies
  
  - Mr. Rajnish Sharma**  
Chief Executive Officer & Executive Director  
United Nanotech Innovations Pvt. Ltd.
  
  - Mr. Ravi Mohan Dabral**  
Managing Director  
OCSIAL India
  
  - Mr. Venkatesh**  
Technical Lead  
i2n Technologies Pvt. Ltd.



**VALEDICTORY FUNCTION  
NANO SPARX AWARDS & POSTER AWARDS**

Friday, March 4th, 2016  
05.15 pm - 06.00 pm  
Grand Ball Room

**Dignitaries** : **Shri S.R. Patil**  
Hon'ble Minister for Information Technology, Biotechnology and  
Science & Technology; Planning & Statistics  
Government of Karnataka

**Shri T.B. Jayachandra**  
Hon'ble Minister of State for Law, Parliamentary Affairs and  
Higher Education and Chairman  
Karnataka State Higher Education Council  
Government of Karnataka

**Shri Bharat Lal Meena, IAS**  
Additional Chief Secretary to Government  
Education Department (Higher Education)  
Government of Karnataka

**Ms. V. Manjula, IAS**  
Principal Secretary, Department of Information Technology,  
Biotechnology and Science & Technology  
Government of Karnataka

**Awards** : 

- **Nano SparX**
- **Best Poster**

**COMBINED TUTORIAL ON  
NANO FABRICATION TECHNOLOGIES - I**Saturday, March 5th, 2016  
09.45 am - 11.00 am  
**Lalit 1&2****Tutor** : **Prof. P.S. Anil Kumar**  
Associate Professor, Department of Physics  
Indian Institute of Science (IISc), Bangalore11.00 am - 11.30 am  
Tea / Coffee Break**COMBINED TUTORIAL ON  
NANO FABRICATION TECHNOLOGIES - II**Saturday, March 5th, 2016  
11.30 am - 12.45 pm  
**Lalit 1&2****Tutor** : **Prof. G. U. Kulkarni**  
Director  
Centre for Nano and Soft Matter Sciences, Bengaluru12:45 pm - 01.45 pm  
Lunch**TUTORIAL A:  
NANO MEDICINE**Saturday, March 5th, 2016  
01.45 pm - 04.15 pm  
**Lalit 1&2****Tutor** : **Prof. Dr. Shantikumar Nair**  
Director, Amrita Centre for Nanosciences and Dean Research  
Amrita University, Kochi  
  
**Dr. Praveen Vemula**  
Laboratory of Self-Assembled Biomaterials  
Institute for Stem Cell Biology & Regenerative Medicine (inStem)  
National Centre for Biological Sciences (NCBS), Bengaluru**TUTORIAL B:  
ELECTRON MICROSCOPY & NANO PHOTONICS**Saturday, March 5th, 2016  
01.45 pm - 04.15 pm  
**Lalit 3&4****Tutor** : **Prof. S. Karthikeyan**  
Department of Materials Engineering  
Indian Institute of Science, Bangalore  
  
**Dr. G.V. Pavan Kumar**  
Division of Physics  
Indian Institute of Science Education & Research (IISER), Pune04.15 pm - 04.30 pm  
Interaction with Tutors & Concluding Tea