



International Conference on Advances in Biological Systems and Materials Science in NanoWorld (ABSMSNW-2017)

Department of Physics, Indian Institute of Technology (BHU) Varanasi – 221005, India
(19th-22nd February 2017) Website: <http://nanobiomats.com>

ABOUT

The main theme and focus of ABSMSNW-2017 includes *Nanoworld challenges and perspectives for science, technology, health, medicine and industry* in order to cover and address the key progress in most of the significant areas of research and development for the human being and society. Nanoscience is a novel area that spans over a range of science and engineering discipline. It has applications in most of the research fields in both academia and industry. Therefore, the conference is aimed to bring together the scientific community and industry experts working in the interdisciplinary area of nanoscience and technology with special emphasis to materials science and biological systems. The conference is a forum to look at the recent advances made in the field, identify the key problems and provide an opportunity to discuss challenges and perspectives in the research and development of the subject and related areas. It is our sincere effort to bring the two most significant areas of research and technology on a platform to discuss the cutting edge research and developments related to large number of topics.

VENUE

The sacred Kashi of the texts, better known as Varanasi or Benaras is a town of more than one and a half million inhabitants. It is situated in the middle of the Gangetic plain nearly half-way between Delhi and Calcutta. It is one of the oldest living cities in the world. In short, Varanasi is the city which cannot be explained in few words: It's an oldest of all the cities, It's a city of temples, It's a city of food, It's a city of streets, It's a city of tradition, It's a city of cultures, It's a centre of moksha, It's a center of knowledge, It's not only a city..... It is much more than that.....

Department of Physics, established in 1985, is a center of excellence for quality research and teaching in Physics. The department offers an excellent research programme in the field of Space Science, Solar Physics, Plasma Physics, Fibre Optics, Photonics & Optoelectronics, Condensed Matter & Materials Physics, Energy Studies, Remote Sensing, Bio-Physics and Nano-Technology. Department's vision is to promote new ideas and innovations in physical sciences.

TOPICS

2D nanomaterials Nanofabrication & Device Applications
Soft Matter Protein Folding and Misfolding
Energy Harvesting Materials Nano-Biotechnology and Nanomedicine
Nanotoxicology Protein Design and Engineering for Nanostructures
Carbon Based Nanomaterials Nanostructures for Biological Applications
MULTIFUNCTIONAL MATERIALS Nano-Biomechanics and Nano-Bioelectronics
Protein Aggregates for Biomedical and Nanotechnology Applications Quantum Hall Effects and Topological Insulators
COMPUTATIONAL BIOPHYSICS Interfacing Biomolecules with Graphene: Hybrid Nanomaterials
Modelling, Simulation and Analysis for Nanomaterials
Peptide Nanostructures for Biological Applications
Nanomotors
Nanoscale Structures

SPEAKERS



INTERNATIONAL/NATIONAL ADVISORY COMMITTEE

- Prof. Vikas Nanda (Rutgers University, NJ, USA)
- Prof. Hari Shroff (National Institute of Health, MD, USA)
- Prof. Oleg Gang (Brookhaven National Lab, NY, USA)
- Prof. N. Sanjeeva Murthy (Rutgers University, NJ, USA)
- Prof. Jayant Kumar (University of Massachusetts- Lowell, USA)
- Prof. Ehud Gazit (Tel Aviv University, Israel)
- Prof. Sandeep Patel (University of Delaware, Delaware, USA)
- Prof. Fei Xu (China)
- Prof. Rakesh Joshi (University of New South Wales, Australia)
- Dr. Abhishek Kumar (National Institute of Health, MD, USA)
- Prof. Ashutosh Sharma (Secretary, DST, New Delhi, India)
- Prof. Vinod Kumar Singh (Director, IISER-Bhopal, India)
- Prof. Ashok Kumar Ganguly (Director, INST-Mohali, India)
- Prof. Arup Kumar Raychaudhuri (SNBNCBS, Kolkata, India)
- Prof. B.R. Mehta (IIT-Delhi, New Delhi, India)
- Prof. Arindam Ghosh (Indian Institute of Science, Bangalore, India)
- Prof. Prabal Maiti (Indian Institute of Science, Bangalore, India)
- Prof. Sandeep Verma (IIT-Kanpur, Kanpur, India)
- Prof. R.C. Budhani (IIT-Kanpur, Kanpur, India)
- Prof. P.B. Sunil Kumar (IIT-Madras, Chennai, India)
- Prof. Sanjay Puri (Jawaharlal Nehru University, New Delhi, India)
- Prof. Shubhasis Ghosh (Jawaharlal Nehru University, New Delhi, India)
- Prof. Sudipta Maiti (TIFR-Mumbai, Mumbai, India)
- Prof. Samir K. Maji (IIT-Bombay, Mumbai, India)
- Prof. Neelanjana Sengupta (NCL, Pune, India)
- Prof. Samrat Mukhopadhyay (IISER-Mohali, India)
- Prof. Jayeeta Lahiri (University of Hyderabad, Hyderabad, India)
- Prof. Neetu Singh (IIT-Delhi, New Delhi, India)

PATRON

- Prof. Rajeev Sangal, Director, IIT (BHU) Varanasi

ORGANIZING COMMITTEE

- Prof. Debaprasad Giri (Physics, IIT(BHU), Varanasi): **Chairman**
- Prof. Prabhakar Singh (Physics, IIT(BHU), Varanasi): **Secretary**
- Prof. Sandip Chatterjee (Physics, IIT(BHU), Varanasi)
- Prof. R.K. Mandal (Metallurgy, IIT(BHU), Varanasi)
- Prof. Rajiv Prakash (Materials Science & Technology, IIT(BHU), Varanasi)
- Dr. Avanish Singh Parmar (Physics, IIT(BHU), Varanasi): **Convener**
- Dr. Shradha Mishra (Physics, IIT(BHU), Varanasi): **Treasurer**
- Dr. Sunil Kumar Singh (Physics, IIT(BHU), Varanasi): **Co-Secretary**
- Dr. Neha Agnihothi (Physics IIT(BHU), Varanasi): **Co-secretary**
- Dr. Somdeb Bose Dasgupta (Bio-medical Engineering, IIT(BHU), Varanasi)
- Dr. Sanjeev Kumar Mahto (Bio-medical Engineering, IIT(BHU), Varanasi)
- Dr. Manoj Kumar (Bio-medical Engineering, IIT(BHU), Varanasi)

CONTACT

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ABSTRACT

Please submit your abstract at absnanoworld@gmail.com in the given format.
 The abstract should be in English and not more than 300 words.
 Title: Times New Roman 14 (Bold)
 Author (s)*: Name, affiliation, email
 Text: Times New Roman 12
 *(presenting author's name should be underlined).

AWARDS

- Best poster presentation award in both categories: Biological Systems & Materials Science (1st, 2nd & 3rd prize)
- Best oral presentation award in both categories: Biological Systems & Materials Science (1st, 2nd & 3rd prize)
- Best Young investigator award

IMPORTANT DATES

ABSTRACT SUBMISSION: 15th November, 2016
 REGISTRATION: 15th January, 2017

REGISTRATION

Please register at our website <http://nanobiomats.com> (either online or by downloading registration form). The registration fee includes accommodation for foreign participant (optional for Indian participants), conference kit, breakfast, lunch and dinner during the conference. Registration fee can be paid through:
 *For Foreign Participants: Payment Gateway available at <http://nanobiomats.com>
 *For Indian Participants: Payment can be made through internet banking using the details given below:
 Account Name: ABSMSNW-2017
 Account No.: 35765390705
 Bank: State Bank of India Branch name: Institute of Technology (BHU)
 Branch Code: 011445; IFSC code: SBIN0011445; MICR Code: 221002036
 *Crossed Demand Draft favouring "ABSMSNW-2017", payable at Varanasi. Address to send the DD: Dr. Avanish Singh Parmar, Convener, ABSMSNW-2017, Department of Physics, IIT (BHU), Varanasi-221005, Uttar Pradesh.

If any difficulties found in online transaction please contact the Convener.

FEE STRUCTURE

| Participants | Paid before 30 th Nov 2016 | | Paid between 1 st Dec 2016-15 th Jan 2017 | |
|---------------------------------------------------------|---------------------------------------|----------|-----------------------------------------------------------------|----------|
| | Industry | Students | Faculty | Postdocs |
| For Foreign Participants (with accommodation): | | | | |
| Participants | Rs.7000 | Rs.4000 | \$1000 | \$700 |
| Faculty | Rs.12000 | Rs.8000 | \$1500 | \$1000 |
| Postdocs | Rs.7000 | Rs.6000 | \$900 | \$800 |
| Students | Rs.4000 | Rs.3000 | \$500 | \$400 |
| Accompanying Person | Rs.3000 | Rs.2000 | \$400 | \$300 |
| For Indian Participants (with accommodation): | | | | |
| Participants | Rs.8000 | Rs.4000 | Rs.12000 | Rs.4500 |
| Industry | Rs.12000 | Rs.8000 | Rs.15000 | Rs.10000 |
| Postdocs | Rs.7000 | Rs.6000 | Rs.9000 | Rs.4000 |
| Students | Rs.4000 | Rs.3000 | Rs.5500 | Rs.3500 |
| Accompanying person | Rs.3000 | Rs.2000 | Rs.4000 | Rs.2500 |
| For Indian Participants (without accommodation): | | | | |
| Participants | Rs.8000 | Rs.4000 | Rs.12000 | Rs.4500 |
| Industry | Rs.12000 | Rs.8000 | Rs.15000 | Rs.10000 |
| Postdocs | Rs.7000 | Rs.6000 | Rs.9000 | Rs.4000 |
| Students | Rs.4000 | Rs.3000 | Rs.5500 | Rs.3500 |
| Accompanying person | Rs.3000 | Rs.2000 | Rs.4000 | Rs.2500 |

NO SPOT REGISTRATION!!!!!!

