

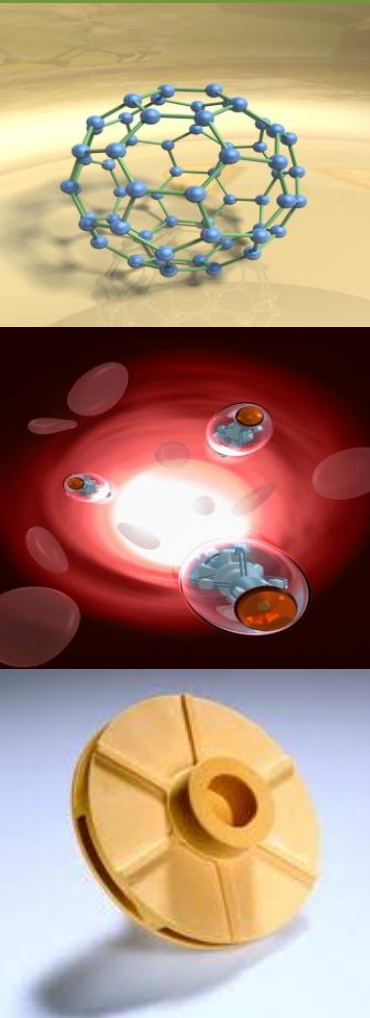


International Conference and Workshop



on

Nanostructured Ceramics and other Nanomaterials



Conference Chair:

Prof. Ram Pal Tandon

Department of Physics and Astrophysics

University of Delhi - 110007

ABOUT THE EVENT

With the advent of nanotechnology an exclusively new dimension has been added to the different aspects of material science. Properties of materials show dramatic variation as one goes down to the size in nano domain, new range of applications emerges from nature's closet. Applications in automobiles, space, healthcare, defense, telecommunication, information technology have necessitated the need of newer materials with tailored properties. For study of materials in nano domain, sophisticated technologies such as aberration corrected TEM, AFM, STM have been developed and innovative techniques are being added.

Keeping in pace with the recent advances made in the field of nanotechnology International Conference and Workshop on Nanostructured Ceramics and other Nanomaterials (ICWNCN) is being organized from March 13-16, 2012 at the Department of Physics and Astrophysics, University of Delhi.

ICWNCN will provide an excellent opportunity for scientists to keep themselves abreast of recent scientific advances made in the field of nanostructured materials, and nanotechnology. This will also be a platform for young researchers to interact with renowned scientists in the field and to learn about the recent scientific developments as well as newer technologies being developed.

SCOPE OF CONFERENCE

The field of nanotechnology has diversified applications ranging from the probing of the ocean beds to deep space in the form of smart sensors. The conference will include plenary and technical sessions covering a group of topics on nano-ceramics and other nano-materials but not confined to the following:

- **Nanostructured Materials and Devices**
- **Functional Nanomaterials**
- **Graphene and Nanotubes**
- **Piezoelectric, Pyroelectric and Ferroelectric Materials**
- **Magnetic Nanomaterials**
- **Polymers, Glasses and Composites**
- **Materials for Energy Applications**
- **Energy Harvesting and Storage**
- **Materials for Renewable Energy Resources with special focus on SOFC, Thermoelectrics, Li batteries etc.**
- **Processing and Characterization**
- **Information Technology**
- **Biomedical and Healthcare Applications**
- **Nanotechnology in Defence Sector**
- **Business Opportunities in Nanotechnology**
- **Hazards and Safety Issues**
- **Physics of Nanomaterials**
- **Spintronics Materials and Devices**
- **Emerging Allied Areas**

SCOPE OF WORKSHOP

Workshop will comprise lectures by eminent scientists and academicians on host of topics:

- **Synthesis and Processing of Nano Ceramics**
- **Nano-fabrication Techniques**
- **Characterization of Nano Ceramics**
- **Nano-materials and Devices**
- **Nanotechnology and its Applications**

CALL FOR ABSTRACTS

Abstract should be of maximum 300 words inclusive of figures. Template of abstract can be found on the website: <http://icwncn.du.ac.in>.

Abstract submission and related communications should be made to abs.icwncn@gmail.com.

IMPORTANT DATES

Abstract Submission Opens	August 01, 2011
Registration for Conference Opens	December 05 , 2011
Registration for Accommodation Opens	December 21, 2011
Abstract Submission Ends	December 31 , 2011
Abstract Acceptance Notification	January 05 , 2012
Early Bird Registration Deadline	January 15, 2012
Last Date of Manuscript Submission	February 10, 2012
Online Payment Ends	February 25, 2012
Workshop	March 13, 2012
ICWNCN	March 13-16, 2012

CONFERENCE REGISTRATION

Delegate	Up to January 15, 2012	After January 15, 2012
Foreign Delegate	800 USD	850 USD
Foreign Corporate Delegate	1200 USD	1300 USD
Foreign Student Delegate#	500 USD	550 USD
Indian Delegate	6000 INR	7000 INR
Indian Corporate Delegate	10000 INR	12000 INR
Indian Student Delegate #,*	2000 INR	2500 INR
Accompanying Person (Foreign)	300 USD	350 USD
Accompanying Person (Indian)	3000 INR	3500 INR

Fee includes: One conference kit, conference lunches, one banquet dinner and cultural program.

Accompanying person is welcome to conference lunch as and when convenient to them.

The participants, for one day Workshop, will have to pay fee in addition to registration fee of ICWNCN.

WORKSHOP REGISTRATION FEE

Foreign Delegate	100 USD	Indian Delegate	1000 INR
Foreign Student Delegate	100 USD	Indian Student Delegate	500 INR

For student registration: student ID is required which can either be faxed or may be shown at the time of registration along with certificate from PhD supervisor.

Registration fee includes one banquet dinner.

*** Banquet dinner is subjected to additional payment of 1000 INR.**

Payment details can be found on the website: <http://icwncn.du.ac.in>

Accommodation details can be found on website: <http://icwncn.du.ac.in>

PRESENTATION GUIDELINES

INVITED LECTURE

Duration of invited lecture would be of 25 minute including questions and discussions.

ORAL PRESENTATION

Duration of oral presentation would be of 10 minute including questions and discussions.

For invited and oral presentations, presenting author must have presentation file in the powerpoint presentation format (compatible with MS-Office 2007) and store it in CD or USB Pen-Drive.

POSTER PRESENTATION

You will be provided a poster board to mount/display your poster. The maximum dimensions for your poster are detailed below. Your session code will be indicated on the board. Please note that the width of the poster board may not be exceeded under any circumstances.

You will be provided with the materials to mount your poster
Poster Size - Height x
Width: 1m x 1m

PUBLICATION DETAILS

It is proposed that some selected peer reviewed papers will be published as proceeding by Macmillan Publishers India Ltd. bearing ISBN number. All the papers must be prepared according the format given on the website.

Format Guidelines can be downloaded from <http://icwncn.du.ac.in/Publication.htm> or <http://icwncn.in/Publication.htm>.

Last date of complete manuscript submission is **February 10, 2012**.

Patron

Prof. Dinesh Singh, Vice-Chancellor,
University of Delhi

Conference Chairman

Prof. Ram Pal Tandon, Department of Physics and
Astrophysics, University of Delhi

National Advisory Committee

International Advisory Board	
Abdullah Mohd Mustafa Al Bakri	Universiti Malaysia Perlis, Malaysia
Balaya Palani	National University of Singapore, Singapore
Bhalla Amar	University of Texas, USA
Chen I-Wei	University of Pennsylvania, USA
Cross Eric	Pennsylvania State University, USA
Freer Robert	University of Manchester, UK
Knauth Philippe	Université de Provence, France
Koduri Ramam	Universidad de Concepción, Chile
Kosec Marija	Jozef Stefan Institute, Slovenia
Krupanidhi S. B.	IISc, India
Li Sean	UNSW, Australia
Setter Nava	EPFL, Switzerland
Tandon Ram Pal	University of Delhi, India
Teboul Victor	University of Angers, France
Tuller Harry	MIT, USA
Waser Rainer	RWTH, Germany
West Anthony	University of Sheffield, UK
Xi Yao	Xian Jiaotong University, China
Yoo Han Ill	Seoul National University, Korea
Yoshimura Masahiro	National Cheng Kung University, Taiwan
Zhu Weiguang	Nanyang Technical University, Singapore

Bandyopadhyay B.	MNRE, New Delhi
Basu S.	IIT, Delhi
Chandra Prakash	DRDO
Chandra Ramesh	IIT, Roorkee
Dey G. K.	BARC, Mumbai
Gupta Vinay	University of Delhi
Harsh	Jamia Millia Islamia
Husain M.	Jamia Millia Islamia
Jain N. K.	Defense Lab, Jodhpur
James Raju K. C.	University of Hyderabad, Hyderabad
Kaur Davinder	IIT, Roorkee
Kuberkar D. G.	Saurashtra University, Rajkot
Kulkarni A. R.	IIT Bombay, Mumbai
Kumar Ravi	NIT, Hamirpur
Maini A. K.	LASTEC, New Delhi
Malakondaiah G.	DMRL, Hyderabad
Manna I.	CGCRI, Kolkata
Man Mohan	University of Delhi
Mathur R. B.	National Physical Laboratory, New Delhi
Mehta B. R.	IIT - Delhi
Murleedharan K.	DMRL, Hyderabad
Murlidharan R.	SSPL, New Delhi
Murthy V. R. K.	IIT—Madras, Chennai
Patil S. I.	University of Pune
Raina K. K.	Thapar University, Patiala
Ramasami T.	DST, Delhi
Roy Amit	IUAC, Delhi
Saxena A. K.	DMSRDE, Kanpur
Sharma P. B.	DTU, New Delhi
Singh R	Hyderabad Central University, Hyderabad
Srivastava O. N.	BHU, Varanasi
Wadhwa Shashi	AIIMS, New Delhi

Local Organizing Committee

Arora Manoj	University of Delhi, New Delhi
Awana P. S. Veer	National Physical Laboratory, New Delhi
Chandra Amita	University of Delhi, New Delhi
Chhaya, Ravi Kant	GGSSIP University, New Delhi
Dhawan Tanuj	University of Delhi, New Delhi
Dutta Anjan	University of Delhi, New Delhi
Gautam Prikshit	University of Delhi, New Delhi
Jindal S. C.	University of Delhi, New Delhi
Kashyap Raman	University of Delhi, New Delhi
Kumar Binay	University of Delhi, New Delhi
Kumar Suresh	University of Delhi, New Delhi
Kumar Sushil	National Physical Laboratory, New Delhi
Kurchania Rajnish	MANIT, Bhopal
Mehra N. C.	University of Delhi, New Delhi
Murugavel S.	University of Delhi, New Delhi
Padmavati M. V. G	DRDO
Punia Rajesh	GJUS & T, Hisar
Sachdev V. K.	University of Delhi, New Delhi
Sachdeva Anupama	University of Delhi, New Delhi
Satapathy Bhabani K.	IIT-Delhi
Senguttuvan T. D.	National Physical Laboratory, New Delhi
Singh Mahavir	H P University, Shimla, HP
Singh Sukhvir	National Physical Laboratory, New Delhi
Srivastava A. K.	National Physical Laboratory, New Delhi
Tandon Sanjay	University of Delhi, New Delhi
Thakur O. P.	Solid State Physics Laboratory, New Delhi
Tyagi Pankaj	University of Delhi, New Delhi
Vedeshwar A. G.	University of Delhi, New Delhi

Exposition/Exhibition

An exhibition has been planned during the conference. This will provide an opportunity to the manufacturer / dealers of scientific equipment to display their products and interact with the delegates. Details are available on website: <http://icwncn.du.ac.in>

Confirmed Invited Speakers

Agostinelli Elisabetta	Institute of Structure of Matter - CNR, Italy	Dutta Joydeep	Asian Institute of Technology, Thailand
Aguiar J. Albino	Federal University of Pernambuco, Brazil	Dutta Partha	Rensselaer Polytechnic Institute, USA
Algueró Miguel	Material Science Institute of Madrid, Spain	Elissalde Catherine	CNRS, France
Buchanan Relva C.	University of Cincinnati, USA	Erdem Emre	University of Freiburg, Germany
Andrew Jennifer S.	University of Florida, USA	Fraboni, Beatrice	University of Bologna, Italy
Ardebili Haleh	University of Houston, USA	Fritze Holger	Technical University of Clausthal, Germany
Baba-Kishi Karim	The Hong Kong Polytechnic University, Hong Kong	Gai Pratibha L.	The University of York, UK
Balachandran U.	Argonne National Laboratory, USA	Giannazzo Filippo	CNR-IMM, Italy
Balaya Palani	National University of Singapore, Singapore	Gourbilleau, Fabrice	CNRS, France
Banys Juras	Vilnius University, Lithuania	Guillemet-Fritsch, Sophie	CIRIMAT, France
Berger Shlomo	University of Amsterdam, Netherlands	Habazaki Hiroki	Hokkaido University, Japan
Bhalla Amar	University of Texas, USA	Harsh	Jamia Milia Islamia, India
Bonanni Alberta	Johannes Kepler University, Austria	Huang, Jianyu	Sandia National Laboratories, USA
Bottani Carlo	Energy Department, Italy	Huijben Mark	University of Twente, Netherlands
Casari, Carlo	Department of Energy, Politecnico di Milano, Italy	Husain M.	Jamia Milia Islamia, India
Cavallini Anna	University of Bologna, Italy	Ikeda Naoshi	Okayama University, Japan
Chanbasha Basheer	King Fahd University of Petroleum & Minerals, Saudi Arabia	Irvine John TS	University of St. Andrews, UK
Kojima Seiji	University of Tsukuba, Japan	Jain N. K.	DRDO, India
Chaudhuri Roy Ayan	Max-Planck Institute, Germany	Kadri Abderrahmane	University of Oran (Es-Senia), Algeria
Chen Chonglin	University of Texas at San Antonio, USA	Kannan A.M.	Arizona State University, USA
Chhowalla Manish	Rutgers - The State University of New Jersey, USA	Kar-Narayan Sohini	University of Cambridge, UK
Cozzoli P. Davide	University of Salento, Italy	Khanna S. N.	Virginia Commonwealth University, USA
Marek Samoc	Institute of Physical and Theoretical Chemistry, Wroclaw University of Technology, Poland	Kim Sang Woo	Sungkyunkwan University, Korea
Dissanayake Lakshman	University of Peradeniya, Sri Lanka	Kim Ji-Seon	Imperial College, UK
Djenizian Thierry	University of Provence, France	Kim Woong	Korea University, Korea
Rolandi, Marco	University of Washington, USA	Knauth Philippe	Université de Provence-CNRS, France
Roleder Krystian	University of Silesia, Poland		

Confirmed Invited Speakers

Krupanidhi S. B.	IISc Bangalore	Somani, Prakash R.	Bharati Vidyapeeth University, Pune, India
Kudlacek Jan	Czech Technical University, Czech Republic	Soga, Kohei	Tokyo University of Science, Japan
Kymakis Emmanuel	Technological Educational Institute of Crete, Greece	Suzuki, Atsushi	Yokohama National University, Japan
Lee Jong-Heun	Korea University, Korea	Tabet, N.	King Fahd University of Petroleum & Minerals, Saudi Arabia
Leggett Graham J.	University of Sheffield, UK	Tagantsev, Alexander K.	EPFL, Switzerland
Léonard François	Sandia National Laboratory, USA	Tatami, Junichi	Yokohama National University, Japan
Lim, D. S.	Korea University, Korea	Teboul, Victor	University of Angers, France
Madhavan Vidya	Boston College, USA	Teranishi, Toshiharu	Kyoto University, Japan
Mai Liqiang	Harvard University, USA	Tomar, M. S.	University of Puerto Rico, USA
Manna Indranil	CGCRI, India	Tseng, Tseung-Yuen	National Chiao Tung University, Taiwan
Mehta B. R.	Indian Institute of Technology, Delhi, India	Umar, Ahmad	Najran University, Saudi Arabia
Milne S J	University of Leeds, UK	Ungar, Goran	University of Sheffield, UK
Motz, Guenter	University of Bayreuth, Germany	Vadera, S. R.	DRDO, India
Murleedharan K.	DRDO, India	Valant, Matjaz	University of Nova Gorica, Slovenia
Negishi Yuichi	Tokyo University of Science, Japan	Vayssieres, Lionel	NIMS, Japan
Nogues, Josep	Catalan Institute of Nanotechnology Barcelona, Spain	Virkar, Anil	University of Utah, USA
No Kwangsoo	KAIST, Korea	Volkman, Ulrich G.	P. Catholic University of Chile, Chile
Oh Young-Jei	University of Science and Technology, Korea	Weidisch, Roland (Plenary Speaker)	Fraunhofer Institute for Mechanics of Materials, Germany
Ping Feng Yuan	National University of Singapore, Singapore	Won Ho	University of Science and Technology, Korea
Prabaharan SRS	University of Nottingham Malaysia Campus, Malaysia	Xi Yao	Xian Jiaotong University
Pribat, Didier	SungKyunKwan University, Korea	Yahaya Muhammad	Universiti Kebangsaan Malaysia, Malaysia
Reshak, Ali Hussain	South Bohemia University Czech Republic	Yamaura Kazunari	NIMS, Japan
Rijnder, Guus	University of Twente, Netherlands	Yimmirun Rattikorn	Suranaree University of Technology, Thailand
Roling, Bernhard	Philipps University, Germany	Yoshimura Masahiro (Plenary Speaker)	National Cheng Kung University, Taiwan
Rusydi, Andrivo	National University of Singapore, Singapore	Yoshikawa, Akihiko	Chiba University, Japan
Kaur Davinder	IIT Roorkee, India	Zahn D.R. T.	Chemnitz University of Technology, Germany
Lee, Hyoyoung	SKKU, Korea	Zhang Qing	National University of Singapore, Singapore
Sharma, Pradeep	University of Houston, USA	Kumar, Ravi	NIT-Hamirpur, India
Saxena Arvind	DMSRDE, Kanpur, India	Vishwanatha, Jamboor K.	University of North Texas Health Science Center, USA
Kumar Ashok	University of South Florida	Berthier, Fabienne	CNRS, France

VENUE

Venue of the International Conference and Workshop on Nanostructured Ceramics and other Nanomaterials (ICWNCN) is Conference Centre, North Campus, University of Delhi. The Conference Centre has a large air-conditioned conference hall. The Conference Centre has a beautiful green ambience.

North Campus of University of Delhi is located close to Kingsway camp and Kamala Nagar in the northern part of Delhi, near Delhi University Metro (subway) Station. It is approximately 40km from *Indira Gandhi International Airport* and about 30 km from domestic terminal.

The Conference Centre is located in the north campus of University of Delhi, opposite Department of Botany.

ABOUT THE CITY-DELHI

Delhi has been Capital of India under rules of different regimes/dynasties such as King Prithviraj Chauhan, Slave Dynasty, Lodhi dynasty, Mughals and now the Modern India except for some period like that of Emperor Akbar. Delhi has an important place in India because of its strategic position.

Delhi has seen many upheavals in history during different regimes but has benefitted from all regimes at least in one way— “Historical Monuments” and rich multicultural society.

Being the capital of India for several centuries, many historical monuments can be seen in Delhi such as Red Fort, Old Fort, Feroz Shah Kotla, Qutab Minar, Jama Masjid, Humayun’s Tomb, India Gate etc.

Delhi is not just about historical monuments. It is also blend of different cultures, religions. People with different religious background such as Hindu, Muslim, Christian, Budhisht, Jain, Sikh etc inhabit Delhi.

Today’s Delhi comprises Old Delhi and New Delhi. Old Delhi is the reflection of old heritage with its narrow bylanes bustling with colorful life. It is one of the biggest market place in Asia. While New Delhi is well planned city with some magnificent buildings erected during British Rule. New Delhi is also seat of Power and Indian diplomacy. Twin cities are truly a showcase of old and new era India. Variety of food and great hospitality is a hallmark of this capital city.

Contact Us

Prof. R P Tandon

Department of Physics & Astrophysics
University of Delhi, Delhi-110007, India

Tel: +91-9818229608, +91-11-27667725, Ext. -1367, Fax: +91-11-27667061

Email: icwncn@gmail.com, ram_tandon@hotmail.com, rptandon9@physics.du.ac.in

Website: <http://icwncn.du.ac.in>