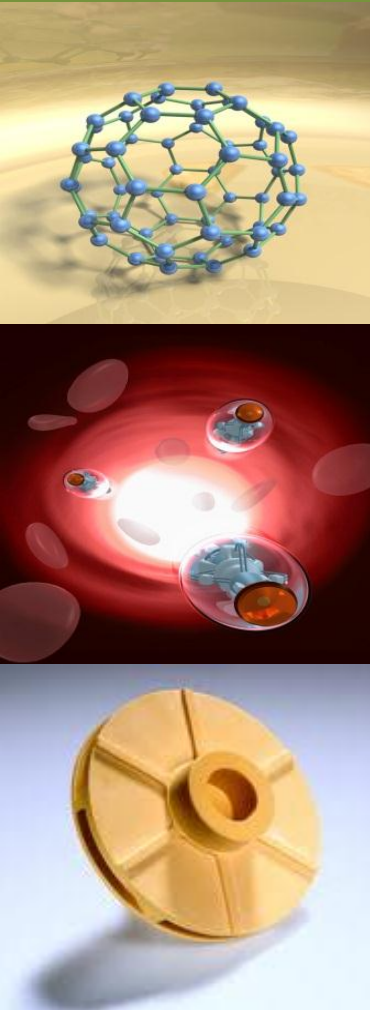




# International Conference and Workshop on



## Nanostructured Ceramics and other Nanomaterials



Organized By

*Prof. Ram Pal Tandon*

Department of Physics and Astrophysics  
University of Delhi - 110007

# ABOUT THE EVENT

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

**I**n view of recent advances made in the field of nanotechnology and its applications in diversified fields such as information technology, aeronautics, healthcare etc, International Conference and Workshop on Nanostructured Ceramics and other Nanomaterials (ICWNCN) is being organized from March 13-16, 2012 by the Department of Physics and Astrophysics, University of Delhi.

ICWNCN provides an excellent opportunity for scientists to keep themselves abreast of recent scientific advances made in the field of nanostructured materials, and nanotechnology. ICWNCN will provide 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 found 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

# SCOPE OF WORKSHOP

Program of workshop will comprise of 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

Abstracts should be of maximum 300 words including figures, not more than 2 pages. Format of abstract can be found at website: <http://icwncn.du.ac.in>.

Abstract submission and related communications should be made to [abs.icwncn@gmail.com](mailto:abs.icwncn@gmail.com).

## IMPORTANT DATES

Abstract Submission Opens	01 August, 2011
Abstract Acceptance Notification	10 December, 2011
Registration for Conference/Accommodation Opens	11 December, 2011
Registration Deadline	25 December, 2011
ICWNCN	13-16 March, 2012

One day workshop will begin on March 13, 2012 at 9:00 AM

Conference Registration	Before December 25, 2011	After December 25, 2011
Foreign Delegate	800 USD	850 USD
Foreign Corporate Delegate	1200 USD	1300 USD
Foreign Students#	500 USD	550 USD

Fee includes: One conference kit, conference lunches, cultural program

Indian Delegate	5000 INR	6000 INR
Indian Corporate Delegate	8000 INR	9000 INR
Indian Students#	3000 INR	3500 INR

Fee includes: One conference kit, conference lunches, cultural program

Accompanying Person (Foreign)	300 USD	350 USD
Accompanying Person (Indian)	3000 INR	3500 INR

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

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

#### WORKSHOP REGISTRATION FEE

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

# To avail student registration, student ID will be required which can either be faxed or may be shown at the time of registration along with certificate from PhD supervisor.

\*Banquet dinner is subjected to additional payment of 1000 INR for non-overseas delegates.

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>

**Patron**  
**Prof. Dinesh Singh**, Vice-Chancellor,  
 University of Delhi  
**Conference Chairman**  
**Prof. Ram Pal Tandon**, Department of Physics and  
 Astrophysics, University of Delhi  
**International Advisory Board**

National Advisory Committee		
S. N.	Members	Affiliation
1.	Basu S.	IIT, Delhi
2.	Chandra Prakash	DRDO
3.	Chandra Ramesh	IIT, Roorkee
4.	Gupta Vinay	University of Delhi
5.	Jain N. K.	Defense Lab, Jodhpur
6.	James Raju K. C.	University of Hyderabad, Hyderabad
7.	Kuberkar D. G.	Saurashtra University, Rajkot
8.	Kulkarni A. R.	IIT Bombay, Mumbai
9.	Kumar Ravi	NIT, Hamirpur
10.	Maini A. K.	LASTEC, New Delhi
11.	Malakondaiah G.	DMRL, Hyderabad
12.	Man Mohan	University of Delhi
13.	Mathur R. B.	National Physical Laboratory, New Delhi
14.	Mehta B. R.	IIT - Delhi
15.	Murleedharan K.	DMRL, Hyderabad
16.	Murlidharan R.	SSPL, New Delhi
17.	Manna I.	CGCRI, Kolkata
18.	Patil S. I.	University of Pune
19.	Raina K. K.	Thapar University, Patiala
20.	Ramasami T.	DST, Delhi
21.	Roy Amit	IUAC, Delhi
22.	Saxena A. K.	DMSRDE, Kanpur
23.	Sharma P. B.	DTU, New Delhi
24.	Singh R	Hyderabad Central University, Hyderabad
25.	Srivastava O. N.	BHU, Varanasi

S. N.	Name	Affiliation
1.	Bhalla Amar	University of Texas, USA
2.	Chen I-Wei	University of Pennsylvania, USA
3.	Cross Eric	Pennsylvania State University, USA
4.	Freer Robert	University of Manchester, UK
5.	Knauth Philippe	Université de Provence, France
6.	Koduri Ramam	Universidad de Concepción, Chile
7.	Kosec Marija	Jozef Stefan Institute, Slovenia
8.	Krupanidhi S. B.	IISc, India
9.	Li Sean	UNSW, Australia
10.	Maier Joachim	Max Planck Institute, Germany
11.	Martin Manfred	RWTH Aachen University, Germany
12.	Mason Thomas	Northwestern University, USA
13.	Ramamurthy Ramesh	University of California, Berkeley, USA
14.	Setter Nava	EPFL, Switzerland
15.	Tandon Ram Pal	University of Delhi, India
16.	Teboul Victor	University of Angers, France
17.	Tuller Harry	MIT, USA
18.	Waser Rainer	RWTH, Germany
19.	West Anthony	University of Sheffield, UK
20.	Xi Yao	Xian Jiaotong University, China
21.	Yoo Han III	Seoul National University, Korea
22.	Zhu Weiguang	Nanyang Technical University, Singapore

Local Organizing Committee		
1.	Arora Manoj	University of Delhi, New Delhi
2.	Awana P. S. Veer	National Physical Laboratory, New Delhi
3.	Dutta Anjan	University of Delhi, New Delhi
4.	Kumar Binay	University of Delhi, New Delhi
5.	Kumar Suresh	University of Delhi, New Delhi
6.	Kurchania Rajnish	Maulana Azad National Institute of Technology, Bhopal
7.	Mehra N. C.	University of Delhi, New Delhi
8.	Padmavati M. V. G	DRDO
9.	Sachdev V. K.	University of Delhi, New Delhi
10.	Sachdeva Anupama	University of Delhi, New Delhi
11.	Satapathy Bhabani K.	IIT-Delhi
12.	Senguttuvan T. D.	National Physical Laboratory, New Delhi
13.	Singh Mahavir	H P University, Shimla, HP
14.	Tandon Sanjay	University of Delhi, New Delhi
15.	Thakur O. P.	Solid State Physics Laboratory, New Delhi
16.	Tyagi Pankaj	University of Delhi, New Delhi
17.	Vedeshwar A. G.	University of Delhi, New Delhi

**Exposition/Exhibition**

During the conference, an exhibition is scheduled to be organized. It will provide an opportunity to the manufacturer / dealers of scientific equipment to display their products and to interact with the delegates. Details will be available soon on website:  
<http://icwncn.du.ac.in>

## 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](mailto:icwncn@gmail.com), [ram\\_tandon@hotmail.com](mailto:ram_tandon@hotmail.com), [rptandon9@physics.du.ac.in](mailto:rptandon9@physics.du.ac.in)

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