International Workshop on

# MULTISCALE MODELING OF MATERIALS IN CARBON RELATED NANOSTRUCTURES

09/05/2023 to 13/05/2023

(Pre-Workshop Session on 8th May 2023)

Central University of Haryana, Mahendergarh, Haryana

Nanomaterials are incorporated into devices like Micro- Electro- Mechanical Systems (MEMS) and Nano- Electro-Mechanical Systems (NEMS) i.e. microresonators, microrotors etc. An important class of nanomaterials is carbon related nanostructures. In order to describe their behaviour, it is necessary to describe them at atomic level. The computational material science follows a strategy of "divide and conquer", where description at atomic level can include the necessary ingredients for the correct description. This method combined with more computational methods at higher length and time scales has led to the development of the so- called multiscale modelling of materials.

The aim of this workshop is to stress the possibilities that multiscale modelling offers in comprehending and controlling of the nanomaterial properties and tailoring them for specific applications.

## Registrations

Workshop is for young researchers (students pursuing PhDs, Post-doctoral fellows, young faculties and scientists from universities/institutes. Registration can be made online on the given link of Website of Central University of Haryana. Registration fee for the workshop is Rs. 1000/-.

## Tentative Speakers

Prof. Ravindra Pandey, Michigan Technological University, USA

Prof. Mohan L Verma, Shri Shankaracharya Technical Campus, Bhilai, Chhattisgarh, India

Dr. B. Keshav Rao, Shri Shankaracharya Technical Campus, Bhilai, Chhattisgarh, India

Dr. Ashok Kumar, Central University of Punjab,VPO Ghudda, Bathinda, India

Dr. Munish Sharma, Maharaja Agrasen University, Solan, Himachal Pradesh, India

Dr. Neha Katoch, Central University of Himachal Pradesh, India

## Advisory Committee

Prof. Ravindra Pandey, Michigan Technological University, USA

Dr. S. M. Yusuf, Solid State Physics Division, BARC, Mumbai, India

Dr. Ashok Arya, senior scientist, Materials Science Division, BARC, India

Dr. Aftab Alam, Professor, Department of Physics, IIT Bombay, Mumbai, India

Dr. Gour Prasad Das, Professor, Department of Materials Science, IACS, Kolkata, India

Dr. Hemant K. Kashyap, Professor, Department of Chemistry, IIT Delhi, India

Dr. Chiranjib Majumder, Professor, Chemistry Division, BARC, Mumbai, India

Dr. Arnab Mukharjee, Professor, Department of Chemistry, IISER Pune, India

Dr. Govardhan Reddy, Associate Professor, IISc Bangalore, India

Dr. Swapan K. Pati, Professor, Theoretical Sciences Unit, JNCSAR, Bangalore, India

Dr. Amrita Bhattacharya, Associate Professor, Department of Metallurgical Engineering and Materials Science, IIT Bombay, Mumbai, India

Dr. Mahesh Sundararajan, Scientific Officer, Department of Atomic Energy, BARC, Mumbai, India

## Important Dates

Registration Opens: 24/03/2023

Registration Closes: 28/04/2023

Intimation of Acceptance: 30/04/2023

## Important Links

For Registration

https://forms.gle/opEHZbuHRrqFvrBD9

For the payment of registration fee

http://payment.cuh.ac.in/payment.php?eid=e88c1b31bb9b48ce32f3f842389a3d0c

Intake Capacity:

National = 30 & International = 02

Contact for any query related to the Workshop on mmmcn2023@cuh.ac.in & 9876437838/9820824839

**Organizing committees**

**Patron:** Prof. Tankeshwar Kumar (Vice Chancellor), Central University of Haryana, Mahendergarh, Haryana

**Convenor:**

Prof. Sunita Srivastava, Central University of Haryana, Mahendergarh, Haryana

**Organizing Secretary:**

Dr. Azaj Ansari, Central University of Haryana, Mahendergarh, Haryana

**Local Organizing Committee:**

Approximately 15 People form the University in 5 Different Committees