

## CHANDIGARH

Chandigarh is a union territory of India, that serves as the capital of two states, Punjab and Haryana. It is referred to as The City Beautiful. The gently sloping plains on which modern Chandigarh exists, was in the ancient past, a wide lake ringed by a marsh. The fossil remains found at the site indicate a large variety of aquatic and amphibian life, which was supported by that environment. About 8000 years ago the area was also known to be a home to the Harappans. As the first planned city of India, Chandigarh is known internationally for its architecture and urban planning. Chandigarh is home to numerous architectural projects of Le Corbusier, Pierre Jeanneret, Matthew Nowicki, and Albert Mayer. The city tops the list of Indian States and Union Territories with the highest per capita income in the country. As per a study conducted by Ministry of Urban Development, Chandigarh has emerged as the cleanest city in India. The city is surrounded by a 16 kilometer wide greenbelt to ensure that no development could take place in the immediate vicinity of the town, thus checking suburbs and urban sprawl; hence is famous for its greenness too. Though the city, being relatively very young, does not have historical monuments to boast of, it definitely manages to impress the tourists with its modern architecture and natural beauty (parks, lakes, etc).

## ELIGIBILITY

Ph.D students, Postdoctoral fellows/Research associates and faculty members belonging to Schedule Tribes working on nanoscience and nanotechnology

## REGISTRATION AND ABSTRACT SUBMISSION

Applicants are requested to download the application form from INST website [www.inst.ac.in](http://www.inst.ac.in). Duly filled in application form with the following documents need to be sent directly to [ranst@inst.ac.in](mailto:ranst@inst.ac.in)

- ❖ Completed Application Form
- ❖ Abstract (within 200 words)
- ❖ Self Attested Caste Certificate
- ❖ Detailed Resume
- ❖ Recommendation letter from Supervisor/ HoD/ Head of Institute/ Registrar

## IMPORTANT NOTE

- ❖ There is no registration fee
- ❖ All the expenses related to travel (as in instructions), accommodation in hostel/guest house and food will be covered for all selected participants

## SELECTION PROCEDURE

All the applications received will be screened by a Committee and the candidates will be shortlisted based on their resume and Publications and representation from different regions of the country.

## Venue

Institute of Nano Science and Technology  
Habitat Centre, Phase- 10, Sector- 64  
Mohali, Punjab - 160062

## Conference in Nano, 2017



## Recent Advances in Nano Science and Technology

(A special conference for scheduled tribes)

**19<sup>th</sup> – 21<sup>st</sup> December, 2017**

## Organized by

Institute of Nano Science and Technology (INST)

(An Autonomous Institute of Department of Science and Technology)

## Sponsored by

Department of Science and Technology,  
Government of India



## MOTIVATION

Nanotechnology, the manipulation of matter at the atomic and molecular scale to create materials with remarkably varied and new properties, is a rapidly expanding area of research with huge potential to revolutionize our lives and to provide technological solutions to our problems in energy, environment, agriculture and medicine.

This Conference is an extension of INST's outreach program, where the Director along with Scientists travel to Schools in remote and rural areas to encourage students to pursue a career in Science and for an overall development of students from these areas. 250 schools from all over the country have been covered so far. In appreciation of INST's endeavors in outreach activities, the Department of Science and Technology has funded INST to contribute to the exposure of Scheduled tribes to Science and technology. This Conference is an outcome of INST's Outreach Program

## RESEARCH THEMES

- ❖ Synthesis and characterization of nanomaterials
- ❖ Properties of nanomaterials
- ❖ Applications of nanomaterials
- ❖ Carbon nanomaterials and 2D materials beyond graphene
- ❖ Semiconductor nanomaterials
- ❖ Self-assembly and soft nanomaterials

- ❖ Nanomaterials for energy and environment
- ❖ Nanocatalysis
- ❖ Nanomaterials in Food, Agriculture and Water Purification
- ❖ Nanomaterials in Medicine, Drug Delivery and Pharmaceuticals
- ❖ Nanotechnology for bioimaging, diagnostics, therapy, safety and health
- ❖ Nano toxicology
- ❖ Nanoelectronics and Nanosensors
- ❖ Nanophotonics and nanoplasmonics
- ❖ Modeling and simulation of nanostructures
- ❖ Optoelectronic nanomaterials and Nanodevices
- ❖ Nanomaterials for lightening (LEDs, Phosphors)

## CONTACT

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## IMPORTANT DATES

Start date of application

**10<sup>th</sup> October 2017**

Deadline for submission of application

**3<sup>rd</sup> November 2017**

Announcement of Shortlisted candidates

**10<sup>th</sup> November 2017**

## About INST

Institute of Nano Science and Technology (INST), Mohali (Punjab), an autonomous institution of Department of Science and Technology (DST), Government of India, has been established under the umbrella of NANO MISSION, initiated by DST to boost research and development in the field of Nanoscience and Nanotechnology in India. INST started its activities on 3rd January 2013, the date on which its first Director was appointed. The institute is currently operating from its transit campus at Habitat Centre, Sector-64, Phase-X, Mohali, Punjab. The new campus of INST would be set up on 35 acres of land in the Knowledge City at Sector-81 (Mohali, Punjab), next to IISER Mohali campus, which is very near to new Chandigarh International Airport. INST, amongst other scientific institutions of Chandigarh and its nearby area is also part of Chandigarh Region Innovation and Knowledge Cluster (CRIKC), an initiative of Punjab Government to foster and sustain close academic alliances between institutions of higher education and research in the Chandigarh region.