

# 3<sup>rd</sup> International Conference on

## Innovative Technologies for Clean and Sustainable Development

Date of Conference  
February 19 – 21,  
2020

*Venue*

*NITTTR, Chandigarh*

Presenter



In association with Maharaja Agrasen University, Baddi – 174 103, India

Host Organisation : National Institute of Technical Teachers Training and Research

Ministry of Human Resource Development, Govt. of India

Sector-26, Chandigarh – 160019, India

## INTRODUCTION

Increasing population density creates the need to build more, develop more, and transport more, our environment is under continued stress and impact. There is a need to understand that growth cannot come at the risk to resources and ecology. Sustainability can be defined as a set of environmental, economic and social conditions in which all of society has the capacity and opportunity to maintain and improve its quality of life indefinitely without degrading the quantity, quality or availability of natural, economic, and social resources. As the stewards of society's infrastructure, civil engineers must take the lead in applying sustainability to selection, planning, design, and construction. Historically, sustainability considerations have been approached by engineers as constraints on their designs. But with its growing importance to civil engineering, professionals should move towards incorporating sustainability principles into their daily practice. Sustainable design requires a complete assessment of a design in place and time. Sustainable engineering practice should meet human needs for natural resources, industrial products, energy, food, transportation, shelter, and effective waste and material management while conserving and protecting environmental quality and the natural resource base essential for future development. Civil engineers can contribute solutions to sustainable development by adopting cleaner technology and green design principles. Commitment to this challenge requires that civil engineers acknowledge their professional obligation, extend their knowledge base, and participate in all levels of policy decisions.

## OBJECTIVES

The event aims at establishing long term linkages between user industry and providers of clean technologies and sustainable materials for a rapid transformation of the SMEs in the region for enhancing Eco-efficiency and competitive strength of such industries through clean technology interventions. Intended participation aims at about sixty SMEs and over 30 clean technology experts from amongst academia, professional consultants, equipment suppliers and environmental technologists apart from regulators, administrators, and students. The conference shall serve as a platform to create awareness and appreciation amongst academicians, scientists, researchers and practitioners from various disciplines and sectors about developing and implementing sustainable practices and technologies that shall minimize the impact on our environment. Deliberations shall be done on new initiatives in the latest technologies in the field of infrastructure. This will help in formulating concrete strategies with optimal utilization of available resources for developing these technologies; consolidating the suggestions, strategies, and recommendations made during the conference and disseminate knowledge on the topic.

## THEMES

- Clean technologies
- Pollution prevention techniques and technologies
- Eco & green materials in construction sustainable construction practices
- Sustainable buildings
- Zero energy buildings
- Smart cities & villages
- Water pollution – prevention and management
- Sustainability in road construction
- Carbon footprint management/CDM
- Alternative manufacturing technologies

## PROCEEDINGS

The papers to be published in the conference proceedings will be peer-reviewed. The proceedings will be indexed for inclusion in the major scientific databases. Abstracts should be submitted in electronic form directly on the conference website. Details of abstract and paper formats will be published on the conference website in due time.

- Case studies on cleaner production industries

## SUBMISSION DEADLINES

- Submission of abstract - 10th October, 2019
- Intimation of acceptance of abstract - 20th October, 2019
- Receipt of Full-length Paper as per prescribed format - 31st November, 2019
- Last date of receipt of Application for Registration - 10th January, 2020

- Innovative materials and techniques for sustainable concrete construction

## VENUE AND LANGUAGE

National Institute of Technical Teachers Training and Research, Chandigarh, India

The Language of the conference is English

## REGISTRATION FEE

The registration fee covers the proceedings, conference kit, coffee/tee breaks, lunches, and conference dinner.

Type of Delegate	International (USD)	National (INR)
Regular Participant	450	12000
Regular Participant (Early-bird)*	400	10000
Regular Participant with Discount (IC)	350	8000
Regular Participant with Subsidy (Low GDP** countries)	250	–
Student Participant	200	7000
Student Participant (Subsidized / Discount)	150	6000

- \*On or before 31 December 2019
- \*\*Countries (Low GDP) eligible for a subsidized fee.
- List of low GDP countries are available on the conference website

## SPONSORSHIPS

- Joint collaboration - ₹10,00,000/- (20 free delegates)
- Sponsors - ₹ 5,00,000/- (10 free delegates)
- Co-Sponsors - ₹ 2,50,000/- (5 free delegates)
- Conference Lunch / Dinner - ₹ 1,50,000/- (3 free delegates)

For sponsoring, exhibiting and advertisement in proceedings information, please contact:

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## ACCOMMODATION

Limited accommodation is available in the Institute Guest House. Institute hostel for delegates on request on payment. Hotels Participant are requested to ask for accommodation in advance latest by 1st January, 2020. A list of hotels providing discounts for the participants will be uploaded on website. Registration fee do not include accommodation charges.

## WEATHER

In the month of February the weather in Chandigarh will be pleasant. Some of the probable statistics of weather in the month of February are as under:



20°C max day temperature



12°C min night temperature

## ABOUT NATIONAL INSTITUTE OF TECHNICAL TEACHER'S TRAINING AND RESEARCH

National Institute of Technical Teachers' Training and Research, Chandigarh has been established by Ministry of Human Resource Development, Government of India for the development of Technical Education. The institute has excellent laboratories, library, computer centre and modern reprographic and other production facilities. The institute offers short term courses in the areas of Civil, Mechanical, Electrical and Electronics Engineering, Educational Management, Entrepreneurship Development, Rural Development, Applied Science and Computer Science. Civil Engineering Department offers a variety of professional level courses such as Concrete Quality and Mix Design, R.C.C. Design, Repair and Rehabilitation of Structures, Construction Planning and Management, Construction, Operation and Maintenance of Tube wells etc. in addition to courses in areas like Soil Engineering, Environmental Engineering, Highway Engineering and Irrigation and Hydraulics Engineering, Software Applications etc. Civil Engineering laboratories in the relevant field are well equipped for carrying out laboratory and field experiments.

## CHANDIGARH – THE CITY BEAUTIFUL

Located at 270 km north-west of New Delhi, City Beautiful Chandigarh, a well-planned and one of the fastest growing metropolitan cities of modern India, has emerged as an ideal Education and Training Centre in recent times. The city is a hub of many R&D projects, academic and industrial institutions including: SCL, Terminal Ballistic Research Lab, Snow & Avalanche Studies Institute, BEL, Software Technology Park, C-DAC, Medical and Engineering Colleges, Post Graduate Medical Institute, Central Scientific Instruments Organization etc. The city also offers pleasing sights in Rose Garden, Botanical Garden, Topiary Park, Terrace Garden, Rock Garden, Capital Complex, Museum and Art Gallery, Sukhana Lake, Palm Garden etc. The city is well connected with rail, road and air transport with all major cities of India.

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## Chair Persons

### Sanjay Kumar Sharma

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### Deepankar Kumar Ashish

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Further information can be accessed  
through <http://www.itcsd2020.com> or  
you may contact us via  
[conferencenitttr@gmail.com](mailto:conferencenitttr@gmail.com).  
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