

International Conference  
on  
**Sustainable Civil Engineering Practices**  
(First Announcement)

July 19 - 20, 2019 | Venue: Chandigarh



Department of Civil Engineering  
Chitkara University  
District Solan  
Himachal Pradesh 174 103

Discipline of Civil and Environmental Engineering  
School of Engineering  
Edith Cowan University, Joondalup, Perth  
Australia

[www.chitkarauniversity.edu.in](http://www.chitkarauniversity.edu.in)

[www.ecu.edu.au](http://www.ecu.edu.au)

## INTRODUCTION

Increasing population worldwide creates the need to build more infrastructure and develop more resources, and therefore our environment is under continued deterioration with different types of impact, including depletion of major resources such as air, water and soil, and destruction of ecosystem. There is a need to understand that the true development cannot be achieved by putting resources and ecology at risk. We need to adopt the sustainability in our progress and growth. Sustainability is often defined as a set of environmental, economic and social conditions in which the society has the capacity and opportunity to maintain and improve its quality indefinitely without degrading the quantity, quality or availability of natural, economic, and social resources. Civil engineers must take the lead in applying sustainability to selection, planning, design, and construction of various elements and components of infrastructure. Historically, sustainability considerations have been approached by engineers as constraints on their designs. But with its growing importance for civil engineering, professionals should move towards incorporating sustainability principles into their routine practice. Sustainable design requires a complete assessment of the design in place and time. Sustainable engineering practice should meet the 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

This international conference aims at establishing the long-term linkages between the user industries and the providers of clean technologies and sustainable materials for a rapid transformation of the small and medium-sized enterprises (SMEs) with achievement of their eco-efficiency and strength through clean technology interventions. Intended participation aims at about 60 SMEs and over 30 clean technology experts from different areas such as academics, consultancy, equipment manufacturers and suppliers and environmental technology apart from regulators, administrators and students. The conference shall serve as a platform to create awareness and appreciation among academicians, scientists, researchers and practitioners from various disciplines and sectors about developing and implementing sustainable practices and technologies that minimize the impact on our environment. Deliberations shall be done on new initiatives in latest technologies in the field of infrastructure development and maintenance. This will help in formulating concrete strategies with optimal utilization of available resources for developing these technologies, and consolidating the suggestions, strategies and recommendations made during the conference and disseminating the knowledge on the conference themes. It is expected that more than 300 participants will attend this conference.

## THEMES

- ◆ Clean technologies
- ◆ Pollution prevention techniques and technologies
- ◆ Global warming
- ◆ Eco & green materials in construction
- ◆ Sustainable buildings
- ◆ Smart cities & villages
- ◆ Sustainability in road construction
- ◆ Alternative manufacturing technologies
- ◆ Economics of cleaner production
- ◆ Case studies on cleaner production in industries
- ◆ Sustainable transport infrastructure & management
- ◆ Architectural interaction for sustainable built environment
- ◆ Innovative materials and techniques for sustainable concrete construction
- ◆ Geological and rock engineering
- ◆ Climate change
- ◆ Sustainable construction practices
- ◆ Zero energy buildings
- ◆ Water pollution – prevention and management
- ◆ Carbon footprint management/CDM
- ◆ Environmental impact mitigation
- ◆ Waste minimization & management
- ◆ Sustainable infrastructure
- ◆ Renewable energy infrastructure
- ◆ Sustainable construction through precast technique

## PROCEEDINGS

All papers accepted for presentation in the Conference will be published as e-Proceedings with ISBN, and selected papers may be awarded and published in the Springer book. Some selected papers in significantly extended form will be published in the International Journal of Geosynthetics and Ground Engineering as per its review and other publication policies.

## SUBMISSION DEADLINES

- |   |   |                   |
|---|---|-------------------|
| ◆ Submission of abstract                                | - | 25 July 2018      |
| ◆ Intimation of acceptance of abstract                  | - | 25 September 2018 |
| ◆ Receipt of full length paper as per prescribed format | - | 25 December 2018  |
| ◆ Last date of receipt of application for registration  | - | 25 March 2019     |

## CALL FOR ABSTRACT

- ◆ Academicians, Researchers and Corporate Executers are invited to send abstract covering original research work and case studies. The abstracts should not exceed 300 words, 12 point font size, Times New Roman on MS word with single line spacing.
- ◆ Soft copy of the abstract should be sent to the conference convener at the following email addresses:

**[varinder.kanwar@chitkarauniversity.edu.in](mailto:varinder.kanwar@chitkarauniversity.edu.in), [s.shukla@ecu.edu.au](mailto:s.shukla@ecu.edu.au) and [sanjaykshukla1@gmail.com](mailto:sanjaykshukla1@gmail.com)**

## SPONSORSHIPS

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

## ADVERTISEMENT IN PROCEEDINGS

### FULL COLOR (BACK) - ₹ 1,00,000/-

◆ Full color (Front Inside) - ₹ 50,000/-	◆ Inside color (Full) - ₹ 30,000/-	◆ Inside Black & White (Full) - ₹ 10,000/-
◆ Full color (Back Inside) - ₹ 50,000/-	◆ Inside color (Half) - ₹ 20,000/-	◆ Inside Black & White (Half) - ₹ 5,000/-

## REGISTRATION FEE

**International Participant:** USD - 200\$

### National Participant

Academic/Research Institutes- ₹ 4,000/-

Research Scholars/Students - ₹ 1,500/-

Industry- ₹ 10,000/-

The registration fee covers the e-proceedings, conference, kit, refreshment and lunch during the days of the Conference. The registration fee may be paid by cash/demand draft in favour of **International Conference on SEP**, Payable at Chandigarh. Accommodation can be provided in the institute hostel for delegates on request on payment. Participant are requested to ask for accommodation in advance latest by 1st February 2018.

## WEATHER

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



## ABOUT CHITKARA UNIVERSITY

Chitkara University, Himachal Pradesh was established in the year 2008 by the Himachal Pradesh State Legislature under the "Chitkara University Act". It is a government-recognized NAAC Accredited University. The Chitkara School of Engineering & Technology, a constituent institution of Chitkara University, Himachal Pradesh offers industry-relevant engineering programs. The curriculum of these programs is delivered in capacious classrooms with the aid of information and communication technology (ICT) equipment, as well as on traditional black-boards. The School boasts of a well-stocked library and excellent on-campus accommodation facilities for students. At the University, academics are only one crucial cog in the wheel of holistic development of students. Ample encouragement and suitable facilities are provided to students so that they engage in co-curricular and extra-curricular activities. There are chapters of several clubs and societies on campus, as well as facilities for several sports. The various national and international collaborations of Chitkara University ensure that learning opportunities for students are always aplenty. Moreover, student exchange programs ensure that foreign students regularly add to the cultural diversity of our campus, while our students take the Indian culture to foreign universities and institutions. The university also possesses an impressive on-campus recruitment record, with many blue-chip companies regularly visiting, and recruiting from our campus.

## ABOUT ECU

Edith Cowan University (ECU) provides the ideal learning environment for people who want to reach their potential. Located in Western Australia, our industry-relevant teaching and research, supportive study environment and award-winning facilities enable ECU students to do more than just survive in this world – they thrive in it. Established in 1991, ECU took the opportunity to reshape the way higher education is delivered in a distinctive and inspiring campus environment. ECU courses are developed in consultation with industry, and teaching staff have extensive industry experience and networks. It's why ECU students can expect placement opportunities, fieldwork, practicums and networking events as part of their studies. This approach has been rewarded with five-star ratings for teaching quality over the past eleven years, along with consistently high ratings for overall education experience and skills development, as reported in the Good Universities Guide. ECU's world-class research strives to make a difference to the community in Western Australia and beyond. ECU focuses on working with our communities, business and government organisations to solve real-world problems. The University was named after Edith Dircksey Cowan, the first woman to be elected to an Australian Parliament. Her life was dedicated to the belief that education was the key to growth, change and improvement in society. Her example informs ECU's values as we pride ourselves in developing capable graduates who lead engaged and productive lives in the communities in which they live and work.

## CHANDIGARH – THE BEAUTIFUL CITY

Located at 270 km north-west of New Delhi, Beautiful Chandigarh City, 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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