

## FOREIGN KEYNOTE SPEAKERS

### Prof. Krishna Reddy

Department of Civil & Materials Engineering  
University of Illinois,  
842 West Taylor Street  
Chicago, IL 60607, USA

Topic: *Role of Biogeochemistry for Sustainable and Resilient Infrastructure and Environment*

### Prof. Kaimin Shih

Department of Civil Engineering  
University of Hong Kong  
Haking Wong Building Pokfulam Road, Hong Kong

Topic: *Quantitative X-Ray Diffraction Technique for Waste Beneficial Use Opportunities*

### Prof. Junbom Park

Dept. of Civil & Environmental Engineering  
Director, Engineering Project Management  
Seoul National University, Seoul, Korea 08826

Topic: *Research for the Marine Disposal Facilities for Solid Wastes in South Korea and Its Novel Bottom Liner System*

### Prof. Claudio Cameselle

Department of Chemical Engineering  
University of Vigo  
Rua Maxwell s/n. Edificio Fundicion  
36310 - Vigo. Spain

Topic: *Sustainable Soil Remediation: Phytoremediation Amended with Electric Current*

### Prof. Yan-Jun Du

Jiangsu Key Laboratory of Urban Underground  
Engineering & Environmental Safety  
Institute of Geotechnical Engineering  
Southeast University, Nanjing 210096, China

Topic: *Stabilization/Solidification and Slurry Trench Cutoff Walls for Geoenvironment Remediation*

### Prof. Ozgur Karaca

Department of Geological Engineering  
Canakkale Onsekiz Mart University  
Terzioğlu Campus, 17020-Turkey

Topic: *Environmental Impacts of Mine Wastes: An Overview to The Problems of Mining Sites in Turkey, Remediation Possibilities, and An Example from Turkey*

## CHIEF PATRON

Mr. Rajiv Mehrotra, Chairperson BOG, NIT Jalandhar

## PATRON

Dr. L K Awasthi, Director, NIT Jalandhar

## CONFERENCE CHAIR

Dr. Krishna Reddy, Professor & Director, Sustainable Engineering Research Laboratory, Department of Civil and Materials Engineering, University of Illinois, Chicago, USA

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Department of Civil Engineering, NIT Jalandhar

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Dr. Sanjeev Naval, DAVIET, Jalandhar

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Prof. Junbom Park, S. Korea

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Prof. Sivakumar Babu, IISc

Prof. I K Bhat, MNNIT Allahabad

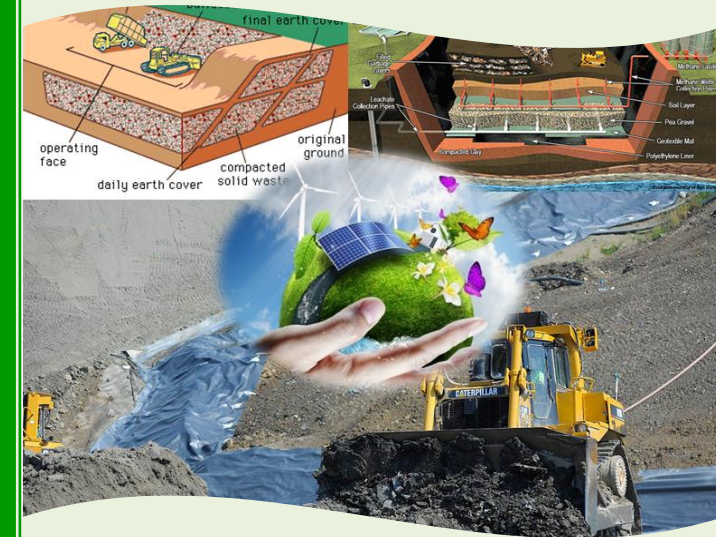
# EGRWSE-2018

INTERNATIONAL CONFERENCE

ON

## Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering

March 29-31, 2018



Organized by



Department of Civil Engineering  
Dr B R Ambedkar  
National Institute of Technology  
Jalandhar, Punjab-144011 India  
[www.nitj.ac.in](http://www.nitj.ac.in)



Department of Civil and Materials  
Engineering  
University of Illinois  
Chicago, Illinois 60607, USA  
<http://geotech.lab.uic.edu>

## ABOUT NIT JALANDHAR

**EGRWSE-2018** will be held in the premises of the Department of Civil Engineering, Dr. B. R. Ambedkar National Institute of Technology Jalandhar. National Institute of Technology, Jalandhar (erstwhile REC Jalandhar), was established in the year 1987 and attained the status of National Institute of Technology on October 17, 2002. As National Institute of Technology, the Institute has a responsibility of providing high quality technical education in Engineering and Technology to produce competent technical manpower for the country. The Institute offers B. Tech. programmes in twelve disciplines of Engineering and Technology along with the research programmes leading to M. Sc, M. Tech. and Ph. D. degrees. The Institute has signed Memorandum of Understanding (MoU) with many prestigious institutes such as Ecole Centrale de Lille, France, University of Johannesburg, South Africa, along with other Universities abroad including UK, USA and Canada for the mutual academic exchange program and further strengthening of the academics and research.

## ABOUT THE CONFERENCE

Sustainable Engineering is the process of using resources in a way that does not compromise the environment or deplete the materials for future generations. Sustainable engineering requires an interdisciplinary approach in all aspects of engineering. All engineering fields should incorporate sustainability into their practice in order to improve the quality of life for all. Furthermore, with the creation of the Sustainable Development Goals, engineers will continue to play a decisive role in their success. The necessity for environmentally-friendly technologies in the future will require the expertise of engineers. Therefore, the UNESCO Engineering Initiative (UEI) is working with partners to develop engineering curricula that incorporate sustainability as an overarching theme.

At the present time, the estimated worldwide population is in excess of 7.4 billion. According to the 'United Nations' prediction, conservative estimates give a population of 11.1 billion by the year 2100. Approximately 80% of this growth will be in developing countries. There are two major reasons for the development of environmental geotechnology. First is population growth, and second is rising living standards. When population increases, more land is needed; many soil deposits previously claimed to be unfit for residential housing and other construction projects are now being used. In a progressive society, rising projects are now being used. In a progressive society, rising living standards indicate an increase in industrial growth. As a consequence, hazardous pollution of air, water, and land and urban refuse production become inevitable, thereby endangering the global environment. To cope with these problematic soil deposits and adverse environmental conditions, the present conventional construction technology has to take, by necessity, a new direction. Problematic soil deposits on one hand and ground pollution problems on the other have challenged the current soil mechanics concepts and methods of analyzing soil behavior under varied environmental conditions. For this reason, the environmental aspects of geotechnology have been expanded and their subsequent response to engineering behavior has paved the way for the emergence of Environmental Geotechnology.

**Recycling** is beneficial in many ways. Recycling helps protect the environment. This is because the recyclable waste materials would have been burned or ended up in the landfill. Pollution of the air, land, water and soil is reduced. Recycling conserves natural resources. Recycling more waste means, we do not depend too much on raw (natural) resources, which are already massively depleted. Recycling saves energy. It takes more energy to produce items with raw materials than

from recycling used materials. This means we are more energy efficient and the prices of products can come down. Recycling creates jobs. People are employed to collect, sort and work in recycling companies. Others also get jobs with businesses that work with these recycling units. There can be a ripple of jobs in the municipality.

## CONFERENCE OBJECTIVE

The conference aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about all aspects of Geoenvironmental Engineering, Waste Management and Sustainable Engineering. It also provides the premier interdisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in this field.

## CALL FOR PAPERS

Academicians, Researchers and Industrialists are invited to submit abstracts on the following areas and related topics using the provided template:

- ✓ **Environmental Geotechnology**
- ✓ **Recycled Waste Materials**
- ✓ **Sustainable Engineering**

## IMPORTANT DATES

**Early Bird Registration** : On or before, 30 Sept, 2017  
**Normal Registration** : 15 November, 2017  
**Late Registration** : 15 December, 2017  
**Spot Registration** : 29 March, 2018 Onwards  
**Abstract Submission** : ~~30 September, 2017~~  
: **31 October, 2017**  
**Full Paper Submission** : 31 December, 2017

## REGISTRATION FEE

	Regular Registration			Indian (INR)		Foreign Delegates (USD)	
	Early	Normal	Late	Early	Normal	Late	
<b>Delegates</b>	6500	7000	7500	\$350	\$400	\$450	
<b>Students</b>	2500	3000	3500	\$150	\$175	\$200	
<b>Accompanying Person</b>	4500	5000	6000	\$300	\$400	\$450	

### **BANK DETAILS FOR REGISTRATION**

Demand Draft/NEFT/RTGS should be drawn in favor of **EGRWSE-2018** payable at Jalandhar. The filled in registration form along with the DD should be sent to Convener EGRWSE-2018, Department of Civil Engineering, Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab-144011 India. For electronic transactions bank details are as:

**Account Number** : 37117268023  
**Bank Name** : STATE BANK OF INDIA  
**IFSC Code** : SBIN0050841  
**MICR Code** : 144002065  
**SWIFT Code** : SBININBBP36

### **ACCOMODATION**

Limited accommodation is available in the Institute Guest House. A list of hotels in the city offering discounted Conference rates will be provided on the website shortly. Please note that the accommodation is not included in the Conference fee and the delegates are responsible for their own accommodation.

### **LOCATION**

The institute is located on G.T. Road, Amritsar bypass, 12 km from Jalandhar Bus Stand, 11 km from Jalandhar City Railway Station and 16 km from Jalandhar Cantonment Railway station. It is around 70 km away from Raja Sansi International Airport, Amritsar, 150 km from Chandigarh Airport and 390 km from Indira Gandhi International Airport, New Delhi. It is connected to New Delhi by rail through Shatabdi Express and other superfast trains as well as through AC buses round the clock. The city is surrounded by famous rivers Sutlej and Beas and is internationally famous for agricultural products, textiles, leather goods, wood products, and sports goods. The nearby sight seeing includes Golden Temple, Jallianwala Bagh, Wagah Border, Science City etc.

**Official communications are to be done necessarily through:**

**[egrwse2018@gmail.com](mailto:egrwse2018@gmail.com)**

## **INTERNATIONAL CONFERENCE**

**ON**

# **Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering**

## **EGRWSE-2018**

**March 29-31, 2018**

### **Registration Form**

Name : \_\_\_\_\_  
Designation : \_\_\_\_\_  
Department : \_\_\_\_\_  
Organization : \_\_\_\_\_  
Address for Communication : \_\_\_\_\_  
Phone No : \_\_\_\_\_ Email ID: \_\_\_\_\_

Accommodation : Yes  No   
required

#### **Registration Fee Details**

(a) Amount : \_\_\_\_\_  
(b) Mode of Transaction : \_\_\_\_\_  
(c) DD / Transaction No. : \_\_\_\_\_ Date of Transaction: \_\_\_\_\_  
(d) Bank Details : \_\_\_\_\_  
(e) Abstract Number : \_\_\_\_\_

Date: \_\_\_\_\_ Signature of the Applicant \_\_\_\_\_

### **SPONSORSHIP CERTIFICATE**

The applicant is hereby sponsored and will be permitted to attend the above conference, if selected.

**Signature and Seal of the Sponsoring Authority**  
**(Principal/Director)**