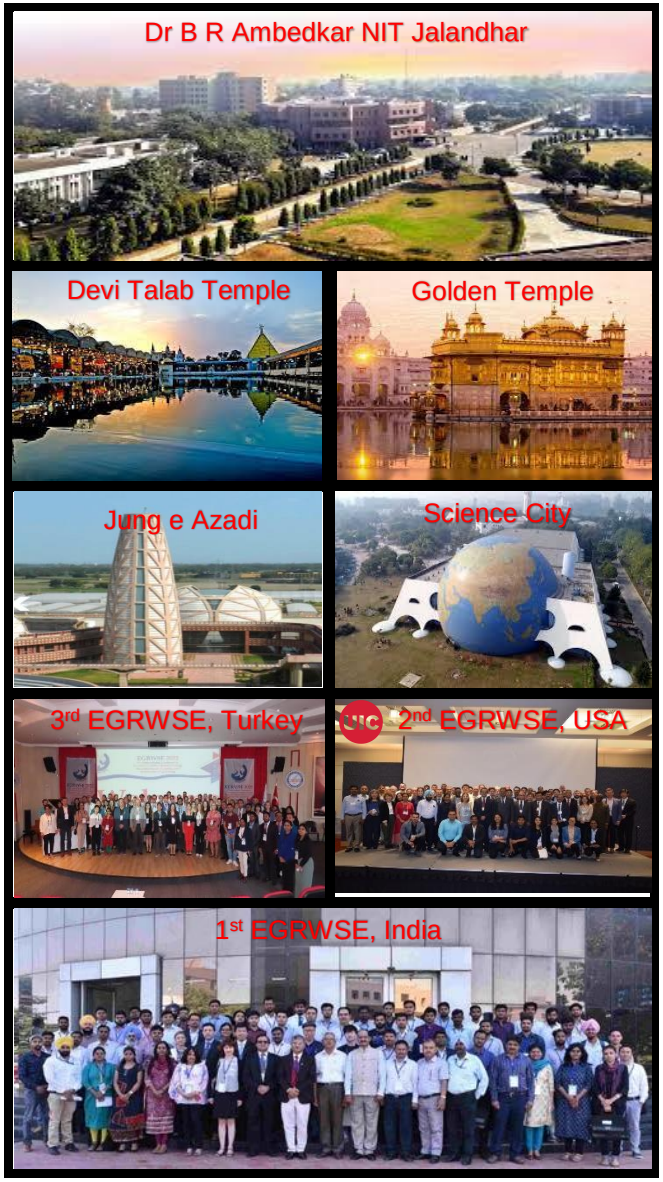
4th INTERNATIONAL CONFERENCE
ON

Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering

EGRWSE-2023

October 25-27, 2023

Dr B R Ambedkar NIT Jalandhar



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Organised by

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www.nitj.ac.in

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Indian Geotechnical Society (IGS)
Jalandhar Chapter

ABOUT NIT JALANDHAR, PUNJAB, INDIA

EGRWSE-2023 will be held in the premises of Dr B R Ambedkar National Institute of Technology (NIT), Jalandhar. NIT Jalandhar (erstwhile REC Jalandhar), was established in the year 1987 and attained the status of National Institute of Technology on October 17, 2002. As NIT, the Institute has a responsibility of providing high quality technical education in Engineering and Technologyto 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 MSc, MTech and PhD 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, the University of Bolten, UK, and the University of South Alabama, USA for the mutual academic exchange program and further strengthening of the academics and research.

ABOUT UNIVERSITY OF ILLINOIS AT CHICAGO, USA

University of Illinois Chicago (UIC), USA. Located in the heart of one of the world's great cities, UIC is a vital part of the educational, technological and cultural fabric of the region. As Chicago's only public research university with 30,000 students, 15 colleges, a hospital and a health sciences system, UIC provides access to world class excellence in vivid fields. The CME department at UIC offers programs leading to the BS, MS and Ph.D. degrees in Civil Engineering, and the MS and Ph.D. degrees in Materials Engineering. In particular, the Sustainable Engineering Research Laboratory (SERL) and the Geotechnical and Geoenvironmental Engineering Laboratory (GAGEL) at UIC are focused on addressing the trending challenges in the development of sustainable and resilient civil infrastructure and safeguarding the earth and environment by integrating the knowledge from emerging areas of sustainability, resiliency, infrastructure, water, energy and environment. The research at SERL and GAGEL has continually demonstrated a high level of technical excellence and quality in research through the development of innovative and pragmatic approaches that have been widely recognized and adopted for use.

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 for an improved quality of life. Furthermore, with the creation of the Sustainable Development Goals, engineers will continue to play a decisive role in their success. The necessity for environment-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.

The rapidly increasing population and rising living standards has caused the development of environmental geotechnology. 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 living standards indicate an increase in industrial growth. Consequently, pollution of air, water, and land and urban refuse production becomes inevitable, thereby endangering the global environment. To cope with these problematic soil deposits and adverse environmental conditions, the present conventional construction technology requires, 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. The environmental aspects of geotechnology have been expanded and their subsequent response to engineering behavior has paved way for the emergence of Environmental Geotechnology.

Recycling is beneficial in many ways and it primarily helps protect the environment. This is because the recyclable waste materials would have been burned or ended up in the landfill. Recycling more waste means, we do not depend too much on raw (natural) resources, which are already massively depleted. However, use of recycled waste materials require an understanding of their properties and characteristics for their beneficial use as engineering and construction materials.

CONFERENCE OBJECTIVE

First EGRWSE-2018 at NITJ (India), second EGRWSE-2019 at UIC (USA) and third EGRWSE-2022 at Dokuz Eylül University (Turkey) were marked as successful events on the state-of-the art research. This EGRWSE-2023 again 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 ABSTRACTS

Academicians, researchers and practicing professionals are invited to submit abstracts on the following areas and related topics: Environmental Geotechnology, Recycled Waste Materials, and Sustainable Engineering. Upon the acceptance of abstracts, the authors should submit full papers, which will be peer reviewed and **select papers, after Springer's quality check, shall be published by Springer as a book volume**. Submit abstract using https://forms.gle/TGCaH6MjDQyWkXcr9

IMPORTANT DEADLINES

Abstract Submission	March 31, 2023
Decision on Abstract	April 20, 2023
Full Paper Submission	June 15, 2023
Decision on Full Paper	July 15, 2023
Regular Registration	Before September 6, 2023
Late Registration	October 10- 20, 2023
Onsite Registration	After October 20, 2023

REGISTRATION FEE

Registraton	**Indian**		**Foreign**	
	Delegates	Students	Delegates	Students
Regular	Rs.7500	Rs.3000	$250	$200
Late	Rs. 8500	Rs. 3500	$300	$250
Spot	Rs.10000	Rs. 4000	$350	$300

Register using https://forms.gle/BxCerECuUksEQvZL7

ACCOMMODATION

A list of nearby hotels and paid homestays in the city will be communicated on the conference website. Please note that the accommodation is not included in the conference fee and the delegates are responsible for their own accommodation.

CONFERENCE LOCATION

Conference will be held on the NIT campus, Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab(India)-144027. **For updates see www.nitj.ac.in**

For general enquiries:

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