

## WIGC-2024

Women Indian Geotechnical Conference (WIGC) under the aegis of IGS is the first to be organised in India, to showcase the contribution of women in the geotechnical engineering field. There are so many roles a women can take and perform successfully, and no wonder women have made a phenomenal growth in the field of geotechnical engineering through academics, research, design and execution. This is the platform to glorify women who have taken this profession in spite of many challenges, have left a milestone at each step, paving way for younger generation to follow. Striving beyond all odds and boundaries women in geotechnical engineering have proved that they are here for a purpose, marking every step with passion, resilience and decisive approach. The Indian Geotechnical Society, benchmarking its venture into the 75<sup>th</sup> year, takes a leap forward in women contribution in Geotechnical Engineering and way beyond. The conference aligns with the Global Sustainability Development Goal "Gender equality and empower all women and girls (SDG 5)" and symbolizes a roadmap for progress that is sustainable and leaves no one behind. The conference would bring passionate women geotechnical engineers from various colleges, industries, institutes and universities in the country to engage themselves in the discussion on different theory and applications in Geotechnical engineering and share their experiences in WIGC-2024.

### Indian Geotechnical Society, Chennai Chapter

Indian Geotechnical Society (IGS) was established in the year 1948 with the purpose of advancement and dissemination of knowledge in different fields of geotechnical engineering. The Madras Chapter of IGS was established in 1987 and since inception, IGS Chennai Chapter has been quite active in creating platform for discussion on the development in the Geotechnical field and the related challenges by organising seminars and symposiums every year with emphasis on field practices. It was conferred best chapter 3 times by the national body, has organised IGC 1996, IGC 2006 and IGC 2016. IGS Chennai Chapter also organised the 4th Indian Young Geotechnical Engineers Conference (4IYGEC) during May 17-18, 2013, 6th International Geotechnical Symposium (6IGS) during January 21-23, 2015 and International Symposium on Geotechnical Aspects of Heritage Structures during September 16-18, 2019 and 8IYGEC on September 17-18, 2021.

## About the Institutes

### CEG, Anna University

Anna University was established on 4<sup>th</sup> September, 1978 as a unitary type of University. The College of Engineering Guindy is in the main campus of the University. The University holds a rich legacy twined with technology and stands as an epitome of culture and knowledge. Anna University stands tall in promoting gender equality in its campus with close to 45% of its faculty members being female which is rare feat among the top technical institutions in India and the world.

The Department of Civil Engineering of Anna University is the oldest in the country. It dates back to May 17, 1794, as a Survey School and later a Civil Engineering College in 1859. Presently the Department of Civil Engineering has three divisions and 7 centres of excellence. The department offers 2 UG, 11 PG, and Ph.D. programs in all divisions and centres. The department is NBA accredited for 6 years.

The division of Soil Mechanics and Foundation Engineering was established in the year 1958. The division is supported by qualified and well-experienced faculty members. The division has the state of art laboratory facilities with modern geotechnical and geo-environmental equipment and software facilities.

### IIT Madras, Chennai

The Indian Institute of Technology Madras is among the first set of IITs established by the Government of India. The institute currently holds 1st rank (NIRF 1) among all the engineering and technology universities in the country. IIT Madras is also conferred with the Institute of Eminence (IoE) status by the Government of India. The Geotechnical Engineering division was established in the early 1960s as part of the Civil Engineering Department. Since then, the division has been offering various post-graduation programs and carrying out advanced research & consultancy projects in different areas of Geotechnical Engineering. Major research areas include physicochemical-mechanical behaviour of soil, soil dynamics & earthquake engineering and geophysical investigation, geotechnical uncertainty and hazards, soil stabilization, geosynthetics, environmental geotechnics, unsaturated soil mechanics, geomechanics and micromechanics, rock mechanics, numerical methods, and computational geomechanics. The division has excellent laboratory facilities and is one of the best in the country.

## Women Indian Geotechnical Conference-2024

### Geotechnics Towards Sustainable and Resilient Infrastructure

WIGC 2024 - GEOSUŚRĪ

March 8 - 9, 2024

@CEG, Anna University, Chennai

Organised By

IGS Chennai Chapter

in association with

College of Engineering Guindy, Anna University  
Indian Institute of Technology Madras, Chennai

Marking the Diamond Jubilee of the  
Indian Geotechnical Society



The theme of the conference is **“Geotechnics Towards Sustainable and Resilient Infrastructure”**. The conference will mainly focus on but will not be limited to the following sub-themes

1. Site Investigation, Exploration and Geomaterial Characterization
2. Geotechnics towards Sustainability and Resilient Infrastructure
3. Sustainable Waste Management and Energy Efficiency
4. Foundation Engineering
5. Geoenvironmental Engineering
6. Geotechnical Earthquake Engineering
7. Landslides and Slope Stability
8. Ground Improvement and Soft Clay Engineering
9. Rock Engineering, Engineering Geology and Tunnelling
10. Unsaturated Soil Mechanics
11. Artificial Intelligence/Machine Learning in Geotechnical Engineering
12. Offshore Geotechnical Engineering
13. Earth and Rockfill Dams and Retaining Structures
14. Case Studies in Geotechnical Engineering

**Abstracts not exceeding 300 words are invited from all geotechnical professionals. Abstracts shall be uploaded through link provided, by 15<sup>th</sup> November 2023. The abstract should be in accordance with the template provided in the website. The selected papers will be published in the book series of Springer Publications.**

#### Important Dates

Last date for Abstract Submission	15 <sup>th</sup> November 2023
Intimation of Abstract Acceptance	21 <sup>st</sup> November 2023
Last Date for Full paper Submission	30 <sup>th</sup> December 2023
Intimation of Paper acceptance	15 <sup>th</sup> January 2024
Submission of camera-ready paper	31 <sup>st</sup> January 2024
Early Bird Registration of Accepted papers	15 <sup>th</sup> February 2024

#### Registration Details

Delegate Category	Early Bird Registration	After 15 <sup>th</sup> Feb, 2024
Academics	3500	4000
Student	1500	2000
Industry/Govt. Organisation/Others	4000	4500

**Google Link <https://forms.gle/m2ivzzzZ5XrKJNmn6>**  
**FOR SPONSORSHIP, PLEASE CONTACT THE ORGANISERS.**



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## Women Indian Geotechnical Conference WIGC 2024- GEOSUŚRĪ

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**Dr. Anil Joseph, President, IGS, New Delhi**

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 Anna University, Chennai, Tamilnadu**

**Website: <https://www.wigc2024.com>**

#### Venue



**College of Engineering Guindy, Anna University**