

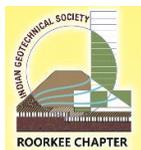
INDIAN GEOTECHNICAL CONFERENCE IGC-2023

GEOTECHNICAL ADVANCES IN SUSTAINABLE INFRASTRUCTURE DEVELOPMENT AND RISK REDUCTION

Dec 14,15 & 16, 2023



Organised by



IGS Roorkee Chapter

In Association with



Indian Institute of Technology Roorkee
CSIR-Central Building Research Institute, Roorkee

IGC-2023

The Roorkee Chapter of the Indian Geotechnical Society invites all individuals and organizations engaged in the advancement and novel applications of Geotechnical Engineering to share their experiences at the Indian Geotechnical Conference 2023.

Indian Geotechnical Society

The Indian National Society of Soil Mechanics and Foundation Engineering was established in the year 1948, soon after the second International Conference on Soil Mechanics and Foundation Engineering held at Rotterdam. The Society was affiliated to the International Society in the same year and since then it has strived to fulfil and promote the objectives of the International Society. In December 1970, the name, Indian Geotechnical Society (IGS) was adopted. In January 1994, it hosted XIII International Conference on Soil Mechanics and Foundation Engineering. Various Local Chapters of the IGS organise annual conferences of the Society.

IGS Roorkee Chapter

Indian Geotechnical Society, Roorkee Chapter was established in 1972, with Prof. Dinesh Mohan, the then Director, Central Building Research Institute, as its founder Chairman. Subsequently eminent geotechnical engineers headed this chapter and brought laurels to the entire geotechnical community.

The IGS Roorkee chapter has always been active since its inception and contributing in the area of Geotechnical Engineering. IGS Roorkee chapter hosted the Indian Geotechnical Conferences in 1985, 2003 and 2013 respectively. The chapter has been again entrusted with the task of organizing IGC-2023 which will be organized in association with IIT Roorkee and CSIR-CBRI Roorkee.

IIT Roorkee, Roorkee

Indian Institute of Technology Roorkee (formerly University of Roorkee) is amongst the foremost of the institutes of national importance in higher technological education. Since its establishment, the Institute has played a vital role in providing the technical manpower and know-how to the country.

The institute ranks amongst the best technological institutions in the world and has contributed to all sectors of technological development. The institute completed 175 years of its existence in November, 2022.

The Department of Civil Engineering at IIT Roorkee <<https://civil.iitr.ac.in/>> has justifiably proven itself on the quality of its academic programs and is keeping pace with the latest developments in Civil Engineering education. The Department is well equipped with the state of art research laboratories to enable the students to carry out quality research.

CSIR-CBRI Roorkee

The Central Building Research Institute, Roorkee, has been vested with the responsibility of generating, cultivating and promoting building science and technology in the service of the country. Since its inception in 1947, the Institute has been assisting the building construction and building material industries in finding timely, appropriate and economical solutions to the problems of materials, rural and urban housing, energy conservation, efficiency, fire hazards, structural and foundation problems and disaster mitigation.

About Roorkee

Roorkee is located on the banks of the Ganges canal on the national highway, NH 334 Roorkee is also known for Bengal Engineering Group & Centre (Bengal Sappers), one of the country's oldest cantonments. Roorkee is very near to the gateway of pilgrimage, namely Hardwar (30 km) in Uttarakhand. Roorkee has a typical climate as in the plains of Northern India, with a touch of winter chill.

Roorkee is also well connected by road and rail to Delhi, Mumbai, Amritsar and Kolkata. The nearest airports are at Dehradun, Chandigarh and Delhi. It takes about 1, 3 and 4hrs. respectively to reach these airports.



Themes

The IGC 2023 will be held in IIT Roorkee campus between December 14-16, 2023. The theme of the conference is **"Geotechnical Advances in Sustainable Infrastructure Development and Risk Reduction"**. The conference will focus on, but will not be limited to the following sub themes:

- i. Geomaterial Characterization, Site Investigation and Exploration.
- ii. Foundation Engineering.
- iii. Geo-Environmental Engineering.
- iv. Geotechnical Earthquake Engineering.
- v. Dams, Embankments and Retaining Structures.
- vi. Landslides and Slope Stability.
- vii. Rock Mechanics and Rock Engineering.
- viii. Tunnelling and Underground Construction.
- ix. Ground Improvement.
- x. Geosynthetic Engineering.
- xi. Analytical, Physical and Numerical Modelling in Geotechnical Engineering.
- xii. Unsaturated Soil Mechanics.
- xiii. Sustainability in Geotechnical Engineering.
- xiv. Geohazards, Risk Reduction and Probabilistic Analysis.
- xv. Offshore Geotechnical Engineering.
- xvi. AI/ML application in Geotechnical Engineering.
- xvii. Application of Geoinformatics in Geo-infrastructures.
- xviii. Case Studies.

Venue



Registration Fee

Delegate Category	Up to 31.10.2023 (INR)	After 31.10.2023 (INR)	Foreign Delegates (USD)
IGS Member	6000	7000	400
Non-IGS Member	6500	7500	450
Student	3000	3500	250
Senior Citizen (Retired)	2000	2500	250
Accompanying person	2000	2000	200

Important dates

Last Date for Abstract Submission	30.04.2023
Intimation of Abstract Acceptance	15.06.2023
Last Date for Full Paper Submission	15.08.2023
Intimation of Paper Acceptance	15.10.2023
Submission of Camera-Ready Paper	31.10.2023
Last Date for Registration of Accepted Papers	31.10.2023

Sponsorship Details

Category of Sponsorship	Amount	Free Delegates	Free Advertisement
Platinum	Rs. 10,00,000/-	6	Full page: Color
Diamond	Rs. 5,00,000/-	4	Full page: Color
Gold	Rs. 2,50,000/-	3	Full page: Color
Silver	Rs. 1,00,000/-	2	Half page: B&W
Bronze	Rs. 50,000/-	1	Half page: B&W
Well wisher	Rs. 25,000/-	1	-

Organising Committee

Patron (s)

Director, IIT Roorkee
Director, CBRI Roorkee
Head, CED, IIT Roorkee
President, IGS
Secretary, IGS

Chairmen

N. K. Samadhiya, IITR
Mahendra Singh, IITR
Satyendra Mittal, IITR

Vice-Chairmen

Shantanu Sarkar, CBRI
B.K. Maheshwari, IITR
Rajat Rastogi, IITR

Organising Secretaries

V. A. Sawant, IITR
Ravi S. Jakka, IITR
Kaustav Chatterjee, IITR
Anindya Pain, CBRI

Jt. Org. Secretaries

Akanksha Tyagi, IITR
Anumita Mishra, IITR
Aditya Singh, IITR
Koushik Pandit, CBRI

Treasurer

Priti Maheshwari, IITR

Contact details

Organizing Secretaries
Indian Geotechnical Conference, IGC-2023
Department of Civil Engineering,
Indian Institute of Technology Roorkee
Roorkee-247667, Uttarakhand, INDIA
Mob.: +91-9410327328; +91-7669038736
Ph.: 01332-285892; 283438
E-mail: igc2023roorkee@gmail.com

Website: <https://igc2023.com/>