** ACCOMMODATION

Name of the hotels for accommodation of delegates will be provided through email. The accommodation committee will be constituted in due course for identification of hotels in Kolkata. The payment of accommodation will be made by the delegates and participants by themselves.

****** SPONSORSHIPS

Government organizations, Public Sector enterprises and private firms involved in development of infrastructure projects are requested to extend their support for making the conference grand success. The sponsorship categories are:

PLATINUM

Rs 5.0 Lakhs*, Company name and logo

registration for 10 delegates, full-page

advertisement on prominent pages in

on the conference website, free

the souvenir, link of the sponsor websites on the conference website. Free

of charge Kiosk (6mX2m) for

exhibition, sharing of brochure/

company prospectus promotional

of 15 min for company presentation.

videos in the exhibition gallery, One slot

DIAMOND

Rs 4.0 Lakhs*, Company name and logo on the conference website, free registration for 5 delegates, full-page advertisement in the souvenir, link of the sponsor websites on the conference website. Free of charge Kiosk (4mX2m) for exhibition, sharing of brochure/company prospectus promotional videos in the exhibition gallery One slot of 10 min for company presentation.



promotional videos in the exhibition

GOLD

Rs 2.0 Lakhs*, Company name and logo on the conference website, free registration for one delegate, full-page advertisement in the e-souvenir.

SILVER

Kiosk for exhibition Rs. 50,000/per kiosk (2mx2m)

Advertisement in souvenir Full page - Rs. 25000/-Half page - Rs. 15000/-Above rates are exclusive of GST @18%





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EG@ON 2022



INTERNATIONAL CONFERENCE

ENGINEERING GEOLOGY AND GEOTECHNIQUES FOR SAFE AND SUSTAINABLE INFRASTRUCTURES



CALL FOR ABSTRACTS

NOVOTEL HOTEL KOLKATA 16-17 NOVEMBER 2022

INDIAN SOCIETY OF ENGINEERING GEOLOGY

(Indian National Group of IAEG)

www.isegindia.org

In association with



PRESIDENT'S INVITATION







redressal.

Dear Colleagues,

SECRETARY'S MESSAGE

I feel privileged and delighted in informing you about the

EGCON 2022, scheduled to be held during 16-17 November 2022 in

Kolkata. With the response from the Scientific community and grand

successes of the earlier four Conferences in the EGCON Series, the ISEG is

organising, the fifth, the EGCON 2022 in physical mode again in the City of

Joy - Kolkata, India. As per the legacy of the Society, the ISEG will again be

providing a vibrant platform for knowledge sharing and capacity building by

organising EGCON 2022 and also to deliberate upon recent

developments/trends in the field of surveys, investigations, and challenges

related to infrastructure development including power and communication

projects, particularly to reduce the geological uncertainties and geo-hazards

In the present natural and conceptual changing scenario, as the pump

storage power projects are being preferred over river valley hydroelectric

projects, communication tunnels are being constructed in place of surface

transport facilities, and several Geohazards like a landslide floods

earthquakes, etc. and other environment-related problems are being

witnessed due to prevailing climate changes, the EGCON 2022 will provide

an intellectual forum to discuss all the issues for exploring ideas for their

After EGCON 2018 and a break of three years, EGCON 2022 is providing an

excellent opportunity for all of us to meet physically at Kolkata between 16-

17 November 2022 at the Event for expressing and exchanging our scientific

ideas and rejoice ourselves. I cordially invite professionals, academicians,

researchers, and students from India and abroad involved in the

investigation, construction, mining, and infrastructure development works

to attend the EGCON- 2022 in large numbers and contribute technical

With Warm Regards,

Dr. Mridul Srivastava

papers for making the event a grand success

and environment-related issues relevant to sustainable development.

In the present scenario, sustainable infrastructure development has become a new paradigm for the technological, economic, and social progress of a nation. Infrastructure development in open and underground spaces for river valley projects, railways, highways, and other large civil structures poses innumerable challenges during the design, and construction stage. Appropriate application of engineering geology and geotechniques helps in understanding the mechanism of geotechnical problems beforehand to prevent time and cost over-run as well as safety of men and machinery. With the accelerated development of infrastructure projects in far-flung areas, the geotechnical challenges have also increased manifold as evident from recent catastrophic landslides and collapse especially in the Himalayan region during Monsoon. Under these circumstances, the role of engineering geoscientists and geotechnical engineers has become more crucial in providing site-specific solutions to critical geotechnical problems.

ISEG has emerged as the flag bearer in the dissemination of developments in this domain since 1965. In the tradition of organizing brainstorming conferences/seminars by ISEG on geotechnical aspects of various infrastructure projects, an international conference EGCON 2021 was successfully organized from 9th-11th December 2021 through a virtual platform given the prevailing pandemic in the last two years. Now with renewed zeal, I invite you to participate in EGCON 2022 which will be held in Kolkata through physical mode on 16th-17th November 2022. EGCON 2022 plans to deliberate upon critical engineering geology and geotechnical perspectives in tackling challenges for safe and sustainable development of infrastructures. I take this opportunity to invite geologists, civil engineers, geophysicists, geotechnical engineers, mining engineers, academicians, instrumentation engineers, software developers, research scholars, and other professionals to contribute technical papers and for attending the conference.

With Warm Regards, Shyam Lal Kapil

** ABOUTISEG

A formidable bridge among Geologists, Geophysicists, Engineers, and Geotechnical Engineers, the Indian Society of Engineering Geology (ISEG) was inaugurated on 15th October 1965 at Kolkata by the then Union Minister of Irrigation and Power Dr. K.L. Rao. Dr. D.N. Wadia, the doyen of Indian geology was its First President. The ISEG is the Indian National Group of the International Association of Engineering Geology and the Environment (IAEG). IAEG has more than 4400 members and 61 National groups across the world. Apart from the active patronage of the premier national geoscientific organisations – the Geological Survey of India, the ISEG (www.isegindia.org) represents almost all the leading organisations involved in infrastructural developmental projects in India like NHPC, NTPC, THDC, SJVNL, NEEPCO, and Irrigation and Waterways Departments of various States. ISEG currently has a membership base of more than 1500 members and has provided a vibrant national knowledge platform for discussing and debating a host of geotechnical challenges and state-of-the-art technologies in the field of Engineering Geology and Geotechniques, and allied fields through its reputed regular publication in the form of Journal of Engineering Geology (www.joegindia.com), special publications and organising National and International Conferences/workshops, Geo-orientation training programs regularly.

₹ EG€ON 2022

The objective of this physical congregation is to provide an interactive knowledge platform to deliberate upon recent developments/trends in the field of surveys, investigations, challenges, and solutions of various infrastructure development projects about water resources development, hydropower, and road/rail communication projects, challenging geohazard, and environmental-related issues relevant to ensuring safe and sustainable development in our country. Keeping the above in view, ISEG in association with GSI will be organising a 2-day event titled EGCON 2022: International Conference on Engineering Geology and Geotechniques for Safe and Sustainable Infrastructures in the City of Joy – Kolkata, India during 16-17 November 2022.

EGCON 2022 invites all geoscientists, engineers, geotechnical experts, planners, and administrators to join the event in large numbers for making this event a successful and purposeful one. EGCON 2022 has already finalised diverse conference themes covering almost all the relevant branches of Engineering Geology and Geotechniques that are continuously being pursued and practiced by the experts while designing and constructing critical infrastructures more safely and sustainably. EGCON 2022 will give a golden opportunity for outreach, one-to-one interactions, opportunities for brief interactions in business meetings, and the scope of exhibitions, apart from technical discourse through both oral and poster presentations.

Let us join at Novotel Hotel and Residences, New Town, Kolkata on 16-17 November 2022 and take the opportunity and promote mutual knowledge sharing and learning with the leading experts in this field.

** ABOUT KOLKATA

Kolkata, or Calcutta as it was formerly called, is the present capital of the state of West Bengal and is one of the busiest metropolitan cities of India located on the eastern bank of the river Hoogly. In the late 17th century, the three villages–Sutanati, Gobindapur, and Kolkatta that predated Calcutta were ruled by the Nawab of Bengal under Mughal suzerainty. After the Nawab granted the East India Company a trading license in 1690, Calcutta or Kolkata became a British trading post in the last part of the 17th Century. The city that once served as the showpiece capital of the British power in India is noted for its colonial buildings including the grand Victoria Memorial, National Library, GPO, High Court, etc. Other important sights include the Howrah Bridge, an engineering marvel that links the city and Howrah Station, and the Indian Museum. Gateway to eastern India and home to prominent intellectuals, the city is known for its easy pace, cultural, and intellectual prowess. The weather in Kolkata in November is pleasant and expected to have temperatures between 19°C and 30°C.

** IMPORTANT DATES

Submission of abstract: 31st August 2022
Abstract Acceptance: 30th September 2022
Full Paper Submission: 31st October 2022
Acceptance of Full Paper: To be announced later





** ABOUT VENUE

The Novotel Hotel & Residences, Kolkata, a five-star hotel, is located in New Town at a distance of about 11 km from Netaji Subhash Chandra Bose International Airport (CCU). The conference will be organized in three halls equipped with modern audio/visual facilities and comfortable space for about 300 delegates.

** CALL FOR SUBMISSION OF ABSTRACTS AND FULL PAPER

EGCON 2022 invites the submission of Abstracts concerning any of the diverse conference themes. A Corresponding author is entitled to submit a maximum of three submissions in different themes of their choice. The abstracts shall be maximum of 1000 words and shall have to be submitted in MS Word only. The abstract is to be submitted on an A4 size page with 2.54 cm. borders on all sides and with a line spacing as multiple 1.2; Font to be used is Times New Roman. Title of the Abstract: Size 18 Bold, Author (s)/ Affiliation Size Bold 12 italics, Text headings Size 12 bold; Text subheadings: size 12 italics; Text size 12 normal; Only 2-3 illustrations/ figures/ tables are allowed, the images must have at least 600 DPI



resolution. The abstracts must be submitted ONLINE using EGCON 2022 website https://egcon.in/2022. The accepted abstracts will be published in the Conference Proceedings Volume during the conference. The Corresponding Authors of the accepted abstracts will also be invited to present their work at the conference either through oral or poster presentations. EGCON 2022 also invites submission of FULL PAPER within the scheduled time from the accepted abstracts, which will subsequently be published in the ISEG's Journal of Engineering Geology (www.joegindia.com) after a round of independent peer-reviewing process following the extant norms of JOEG. The Journal of Engineering Geology (JoEG) is the oldest journal on Engineering Geology and Geotechniques in India. It was launched in the year 1966 soon after the formation of the society and is published by ISEG on a biannual basis. This peer-reviewed journal covers papers on Engineering Geology, Engineering Geophysics, Geotechnical Engineering, Geohazards, Environment Geology, Rock Mechanics, Groundwater contamination and Geological Engineering, etc.

₹ THEMES OF EG©ON 2022

SAFE AND SUSTAINABLE INFRASTRUCTURE DEVELOPMENT

- Planning Investigation, design and construction of railway lines in mountains.
- Planning, Investigation, design and construction of highway tunnels.
- Protecting slopes along Highways in Himalayas
- · Geological and geotechnical uncertainties and remedies
- · Ground (rock-/soil-mass) classification and characterization
- Post construction challenges and retrofitting
- · Dam safety, rehabilitation, and improvement
- Ground behaviour identification and responses
- Tunnelling Methods applicability and new developments
- Underground caverns design construction and challenges
- Risk mitigation plans and strategies
- Geo mechanical hazards-diagnosis and prevention

EMERGING CHALLENGES IN URBAN INFRASTRUCTURE

- Geotechniques for urban infrastructure and smart cities
- Urban flooding and mitigation
- Safe and sustainable engineering structures for water supply and sewerage treatments
- Water security issues for Urban infrastructures
- Engineering solution to tackle pollution from Arsenic, Fluoride, and Lead in soil and groundwater

TECHNOLOGICAL ADVANCEMENTS IN INVESTIGATION AND MONITORING

- Challenges in mechanized tunnelling in difficult terrains including Himalayas
- Challenges of drill and blast (DnB) technique in conventional tunnelling and mitigation
- Advantages of engineering geophysical investigation and in-situ probing
- Application of Remote Sensing and Drone technology in infrastructure projects
- In-situ and laboratory testing of ground (rock and soil) advancements and challenges
- 3D Engineering Geological Modelling
- Blasting technologies for optimised surface and underground excavation
- In-situ instrument-aided and remotely-sensed ground-based monitoring of ground and critical infrastructure
- Vibration-induced Damages (ViD) assessment techniques, methods, and developments
- Hydraulic conductivity measurements in underground structures importance and new developments
- Advances in academics and capacity building in Engineering Geology

CLIMATE CHANGE AND ENVIRONMENTAL IMPACT ASSESSMENT

- Effect and impact of extreme weather events.
- Safeguarding geoheritage sites during infrastructure development.
- Ensuring balanced effects on the ecosystem to ensure sustainable infrastructure.
- Studies and practices to record paleo-climatic conditions and prognosticate future events.
- Dos and Don'ts for large infrastructure for averting severe impacts of climate change extremes.
- Environmental and ecosystem friendly sustainable construction
- EIA and EMP studies for infrastructure projects

GEOHAZARDS AND DISASTER RISK REDUCTION

- Landslides, avalanches, and slope stability assessment, modelling and mitigation
- Effective engineering solution for sustainable mitigation of landslides
- Multi-hazards and its risk reduction endeavours in the Himalayas
- Seismology and Earthquake Engineering practices in infrastructure
- In-situ and regional Early Warning System (EWS) for hydrometeorological hazards
- GLOF and LLOF hazards and its EWS practices and challenges
- Disaster risk reduction for sustainable infrastructure

₹ PARTICIPATION & REGISTRATION

The registration can be made through the online mode after payment of the registration fee to the society A/C. The registration fee may be paid directly to ISEG in the following ways:

- Demand Draft, drawn in favour of the 'Indian Society of Engineering Geology, payable at UCO Bank, Lucknow.
- 2. Online Bank Transfer through NEFT/IMPS as detailed below.

Name of the Bank: UCO Bank, GSI Branch, Aliganj, Lucknow - 226024

Name of account: 'INDIAN.SOC.OF.ENG.'

Account Number : 90330200000045 IFSC Code: UCBA0002024

ISEG Details : GST NO. 19AAATI6087P1ZU

PAN NO.: AAATI6087P TAN NO. CALI0420E

Online Payment through Payment Gateway at Conference Official Website

Through Cash payment during Registration at venue

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₹ 6000+
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USD 50
Indian
Non-ISEG
Members
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USD 150
Indian

Indian
Students
₹ 3000+
18% GST

Delegates
₹ 5000+
18% GST