PRESENTATION OF PAPERS

Presentation of technical papers will be either in oral or poster format.

CONFERENCE LANGUAGE

The official language of the Symposium will be English.

PUBLICATION

Select high-quality papers will be considered for publication in a peer-reviewed journal. All the accepted papers will be published as conference proceedings/book chapters in Springer.

REGISTRATION

Information for registration will be provided shortly on the conference website.

ABOUT ROORKEE

Situated at the foothills of the Himalayas, Roorkee serves as a gateway to pilgrimage and tourist destinations such as Haridwar, Rishikesh, Dehradun, Rajaji National Park, and Mussoorie.

HOW TO REACH

The city lies on the Amritsar–Howrah main line of the Northern Railway and is well-connected by rail and road to major cities, including New Delhi, Dehradun, Haridwar, Rishikesh, Chandigarh, and Agra. The nearest airports are Jolly Grant Airport, Dehradun (domestic), Shaheed Bhagat Singh International Airport, Chandigarh, and Indira Gandhi International Airport, New Delhi. Trains such as the Shatabdi and Vande Bharat Express offer convenient access to and from New Delhi. In December, Roorkee experiences cold weather, with temperatures ranging between 8°C and 18°C. Participants are advised to carry woollen clothing for comfort.

ACCOMMODATION

Limited accommodation on a payment basis will be available in the institute's guesthouses and hostels. Hotel stay can also be arranged by the organizers upon request.

PROGRAM FOR ACCOMPANYING PERSON

A curated program for accompanying persons will be organized during the symposium at a nominal cost. The itinerary will include local sightseeing and guided tours of cultural and historical landmarks in and around Roorkee.

POST SYMPOSIUM TOUR

If a sufficient number of delegates express interest, a post-symposium tour will be organized to prominent destinations, including the Tehri Dam, Taj Mahal (Agra), the Pink City (Jaipur), and the Garhwal Lesser Himalayas. Interested delegates are requested to contact the Organizing Secretary for further details.

TECHNICAL EXHIBITION

A Technical Exhibition will be organized alongside the 18SEE to showcase innovations, technologies, and field applications related to Earthquake Engineering and allied disciplines. The exhibition will feature a diverse range of displays, including instruments, equipment, analytical and design software, damage survey video footage, photographic documentation, and relevant published material. Organizations and individuals interested in showcasing their products or research are encouraged to contact the Organizing Secretary in advance to arrange exhibition space.

SPONSORSHIP

We invite institutions, industries, and organizations to support the event through sponsorship. The sponsorship categories and associated benefits are as follows:

- Title Sponsor (Exclusive) – ₹15.00 Lakhs
- Platinum Sponsor – ₹10.00 Lakh
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- Silver Sponsor – ₹3.00 Lakh
- Bronze Sponsor – ₹2.00 Lakh

The names of all sponsors will be prominently acknowledged in the next circular and displayed on the website and at the Symposium venue.

ORGANIZING COMMITTEE

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Assistant Professor
DEQ, IIT Roorkee

For more information, please contact

Organising Secretary, 18SEE-2026
Department of Earthquake Engineering
IIT Roorkee, Roorkee, Uttarakhand-247667, India
Website: www.iitr.ac.in/18see (launching soon!)
Telephone: +91-1332-28-5710/5675/5591
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1st Circular

18th Symposium on Earthquake Engineering

(December 10-12, 2026)

Organized by

Department of Earthquake Engineering
Indian Institute of Technology Roorkee
(DEQ, IITR)

&

Indian Society of Earthquake Technology
(ISET)

Venue

Indian Institute of Technology Roorkee
Roorkee, Uttarakhand - 247667, India

SYMPOSIA ON EARTHQUAKE ENGINEERING

Organized every four years since 1959, the symposia have significantly contributed to advancing earthquake engineering education, research, and practice in India. The 18th Symposium on Earthquake Engineering (18SEE-2026) will be held at the Department of Earthquake Engineering, IIT Roorkee, during December 10-12, 2026. The upcoming edition offers a timely platform to review recent progress, showcase ongoing research, and shape future directions aligned with national and global resilience goals. In light of recent devastating earthquakes, this symposium also underscores the urgent need to develop effective strategies that enhance knowledge of earthquake-resistant construction and ensure its practical adoption.

OBJECTIVES OF 18SEE

The symposium aims to facilitate the exchange of professional experience and recent technological advances in Earthquake Engineering and allied fields. In recent years, national-level policies have evolved in response to challenges observed during disaster response operations - such as inadequate design for extreme events, poor construction quality, insufficient regulatory frameworks, and lack of widespread awareness and technical dissemination. These issues underscore the urgent need for systemic upgrades, retrofitting vulnerable structures, and institutional preparedness. The symposium will serve as a platform for researchers, professionals, planners, and policymakers to share insights, review progress, and contribute toward actionable strategies for seismic resilience at administrative, technical, and scientific levels.

DEPARTMENT OF EARTHQUAKE ENGINEERING

Established in 1960 as the School of Research and Training in Earthquake Engineering, the Department of Earthquake Engineering at IIT Roorkee has remained the fountainhead of earthquake engineering education in India. Its core functions include teaching, research, training, and expert consultancy. The Department has significantly advanced four major subfields: Structural Dynamics, Soil Dynamics, Engineering Seismology & Seismotectonic, and Seismological Instrumentation. Its unique multidisciplinary scope makes it one of a kind in India and among a select few worldwide. The Department has consistently organized symposia, workshops, seminars, and training programs to disseminate technical knowledge in earthquake engineering and related areas.

Indian Society of Earthquake Technology

The Indian Society of Earthquake Technology (ISET) was founded in November 1962 with Late Prof. Jai Krishna as the founding President. ISET is a founding member of the International Association for Earthquake Engineering (IAEE), and its President represents the society as a National Delegate.

With 2250+ members and 14 local chapters (Roorkee, New Delhi, Mumbai, Kolkata, Chennai, Bengaluru, Jorhat, Nagpur, Pune, Amravati, Guwahati, Vellore, Guntur, Dhanbad, and Varanasi), its reach is nationwide. It conducts annual lectures, workshops, short-term training courses, and co-organizes SEE every four years.

CALL FOR PAPERS

Authors are invited to submit original research papers or case studies relevant to the themes of the symposium. Contributions from academia, industry, and govt. agencies are welcome.

IMPORTANT DATES

- Last date of receipt of abstract : Dec. 15, 2025
- Acceptance of abstracts : Jan. 15, 2026
- Full-length manuscript submission : Mar. 15, 2026
- Intimation of acceptance/Reviewer comments : Apr. 30, 2026
- Submission of final revised manuscripts : May. 15, 2026

Submit your abstract: www.iitr.ac.in/18see (launching soon!)

THEMES

All topics related to Earthquake Engineering and Earthquake Disaster Mitigation are invited. Following is a suggestive (not exhaustive) list of themes:

1. Engineering seismology and seismotectonics
2. Lessons from recent earthquakes and tsunamis
3. Earthquake studies using GIS/GPS/SAR/remote sensing
4. Seismic hazard assessment
5. Seismic instrumentation
6. Strong ground motion and site characterization
7. Dynamic properties of soil and ground response
8. Liquefaction and seismic ground improvement
9. Seismic safety of foundations and machine foundations
10. Seismic soil-structure interaction
11. Slope stability under earthquakes & embankment design
12. Gravity and embankment dams
13. Earth pressure and retaining walls under earthquakes
14. Seismic safety of pipelines, underground & buried structures
15. Tunnels and rock mechanics
16. Special materials, structures, and systems
17. Earthquake response analysis, design, and construction
18. Codal provisions on earthquake-resistant design
19. Performance-based seismic design
20. Seismic vulnerability, risk, and resilience assessment
21. Structural response control
22. Seismic testing of structures and equipment
23. Seismic evaluation and retrofitting of structures
24. Seismic safety of bridges and dams.
25. Seismic safety of non-structural components, equipment, and services in buildings
26. Seismic safety of industrial structures, and thermal and nuclear power stations
27. Seismic safety of historical structures and monuments
28. Seismic safety of offshore/onshore structures
29. Damage detection and system identification
30. Lifeline and urban systems
31. Microzonation and urban planning
32. Earthquake disaster mitigation and management
33. Human response and socio-economic issues
34. Post-earthquake rehabilitation
35. Earthquake engineering education
36. Public awareness, participation, and enforcement of building safety laws
37. Earthquake prediction and early warning system
38. Applications of artificial intelligence and machine learning in earthquake engineering

PAST GLIMPSES