



**3rd INTERNATIONAL WORKSHOP ON
ADVANCED SEISMOLOGY, SEISMIC
HAZARDS & EARTHQUAKE ENGINEERING (ASSHEE): THEORY,
SIMULATION & OBSERVATIONS**
December 13-17, 2021

Organized by

TECHNO COLLEGE OF ENGINEERING AGARTALA

Knowledge of Earthquake Seismology is much needed not only to the Earth Scientists but also to the Civil Engineers to cope up with the Earthquake Disaster Mitigation by making earthquake resilient structures to save lives and properties of the society, We planned this five-day Workshop for benefit of the students, research scientists, engineers and concerned authorities in the south Asia region. The northeast India region in particular, falls in high seismic risk zone in the Seismic Zoning map of India (BIS, 2002). This is the first venture of its kind by the Techno College of Engineering Agartala and we believe that exchange of knowledge with international and national experts in this Workshop would definitely enhance confidence and expertise of the participant students / scientists and engineers

WORKSHOP INFO

- Registration Starts : **4th Nov. 2021**
- Registration Closes : **10th Dec. 2021**
- Inauguration : **13th Dec. 2021**
- Registration Fee : **Free**

Registration Link

<https://forms.gle/kuMbqUs9otTJoKF89>

Joining Link for Inaugural Session

<https://us02web.zoom.us/j/85295916204>



INSTITUTE AT A GLANCE



Techno College of Engineering Agartala,(TCEA) A unit of Techno India Group (approved by AICTE, Govt. of India and affiliated to Tripura University) is established on 2014 and running with Eight B.Tech Courses and three Diploma Courses. Out of these courses, three degree courses and three diploma courses are running in the field of Emerging Technology. The aim of this institute is not just to create an informed set of individuals but develop individuals- with character, commitment, conviction, courtesy and courage, who can shoulder the responsibility of taking the nation forward and making it stronger than ever before. Our institute also believes in inculcating right attitude in the minds of young engineers and develop them as individuals who have the innate desire not just to succeed in their own lives but also to contribute meaningfully to societal development in all possible spheres



Welcome Address by

Dr. Dibakar Deb

Principal, TCEA

Time : 10.10 AM - 10.20 AM (IST) | Date : 13.12.2021



Inaugural Speech by

Prof. Goutam Roy Chowdhury

Chancellor, Techno India University, West Bengal

Time : 10.20 AM - 10.30 AM (IST) | Date : 13.12.2021



Inaugural Speech by

Prof. Manoshi Roy Chowdhury

Co-Chancellor, Techno India University, West Bengal

Time : 10.30 AM - 10.40 AM (IST) | Date : 13.12.2021



Speech by

Mr. Meghdut Roy Chowdhury

Director - Global Operations,
Techno India Group, West Bengal

Time : 10.40 AM - 10.50 AM (IST) | Date : 13.12.2021



Speech by

Ms. Pauline Laravoire

Director - Sustainability, TIG, West Bengal

Time : 10.50 AM - 11.00 AM (IST) | Date : 13.12.2021



Speech by

Dr. Arpan Laskar

HOD, Civil Engineering Department, TCEA

Time : 11.00 AM - 11.05 AM (IST) | Date : 13.12.2021



Motivational Speech by Quest of Honour

Prof. Ruben Tatevosyan

Head of Seismology Lab,
Institute of Physics of the Earth, Moscow

Vice President, Asian Seismological Commission

Time : 11.05 AM - 11:15 AM (IST) | Date : 13.12.2021



Motivational Speech by Chief Guest

Padmashri Prof. Harsh. K. Gupta

Member, Atomic Energy Regulatory Board (AERB), India
President, Geological Society of India

Time : 11.15 AM - 11.25 AM (IST) | Date : 13.12.2021

Lecture on

Perspectives on Earthquake Prediction

**Prof. Jim Mori**Disaster Prevention Research Institute
Kyoto University, JapanDate : 13th December 2021
Time : 11.30 AM to 12.30 PM*Lecture on*Seismic Hazard Assessment For Nuclear Power
Plants: How To Cope With Rare Events**Prof. Ruben Tatevosyan**Head of Seismology Lab, Institute of
Physics of the Earth, Moscow
Vice President, Asian Seism Comm.Date : 13th December 2021
Time : 07.00 PM to 07.45 PM*Lecture on*

Site Response Analysis in Seismic Hazard Assessment

**Prof. Ania Kalinina**Institute of Physics of the Earth
MoscowDate : 13th December 2021
Time : 07.45 PM to 08.30 PM*Lecture on*

Seismic Response of Indo Gangetic Basin

**Prof. Raghu Kanth STG**Professor
Department of Civil Engineering
IIT MadrasDate : 14th December 2021
Time : 11.00 AM to 12.00 PM*Lecture on*Introduction to Probabilistic Seismic Hazard Analysis
(PSHA)**Prof. Kendra Johnson**

GEM Foundation, Italy

Date : 14th December 2021
Time : 07.00 pM to 08.00 PM

TECHNICAL SESSION - III**Date : 15th December, 2021***Lecture on*

Recent Large and Great Earthquakes in the Himalayas: Seismotectonic Appraisal

**Prof. J.R. Kayal**

Former Deputy Director general, Geological survey of India, Kolkata, India.

Presently Adjunct Professor , NIT Agartala

Date : 15th December 2021
Time : 11.00 AM to 12.00 PM

Lecture on

Seismic Fragility Analysis of Structures

**Dr. Rajib Saha**

Associate Professor

Department of Civil Engineering
NIT Agartala

Date : 15th December 2021
Time : 07.00 PM to 08.00 PM

TECHNICAL SESSION - IV**Date : 16th December, 2021***Lecture on*

Bridges Subjected to Scenario Earthquake

**Dr. Surendra Nath Somala**

Associate Professor

Department of Civil Engineering
IIT Hyderabad

Date : 16th December 2021
Time : 11.00 AM to 12.00 PM

Lecture on

Time-dependent Earthquake And Tsunami Hazard Assessment: A Scenario Based Approach

**Prof. Antonella Peresan**Seismological Research Centre,
National Institute of Oceanography &
Applied Geophysics, Udine, Italy.

Date : 16th December 2021
Time : 07.00 PM to 08.00 PM

TECHNICAL SESSION - V**Date : 17th December, 2021***Lecture on*

Earthquake Location and Moment Tensor Solution For Source Mechanism Study



Dr. Devajit Hazarika, Scientist
 Wadia Institute of Himalayan Geology
 Dehradun

Date : 17th December 2021
Time : 11.00 AM to 12.00 PM

Lecture on

Role of Geophysical Investigations For Engineering Projects and Disaster Mitigation



Dr. Santanu Baruah, Scientist
 North East Institute of Science and Technology,
 Jorhat, Assam, India

Date : 17th December 2021
Time : 12 PM to 1 PM

Cultural Session**Time : 06.00 PM - 07.00 PM (IST)****Date : 17th December, 2021****Valedictory Session****Time : 07.00 PM - 08.00 PM (IST)****Date : 17th December, 2021**

CHIEF MENTOR



Prof. Goutam Roy Chowdhury
Chancellor
Techno India University, West Bengal

CHIEF MENTOR



Prof. Manoshi Roy Chowdhury
Hon'ble Co-Chancellor
Techno India University,
West Bengal

CHIEF INNOVATOR



Mr. Meghdut Roy Chowdhury
Director - Global Operations
Techno India Group
West Bengal

CHIEF INNOVATOR



Ms. Pauline Laravorie
Director - Sustainability
Techno india group
West Bengal

CHIEF PATRON



Prof. Kisor Ray
Director General
Techno india Group
West Bengal

PATRON



Dr. Dibakar Deb
Principal
Techno College of Engineering
Agartala

CONVENER



Mr. Avik Paul
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CO-CONVENER



Prof. J. R. Kayal
Former Deputy Director General,
Geological Survey of India,
Kolkata, India.
presently Adjunct Professor, NIT, Agartala

ORGANISING COMMITTEE CHAIRMAN



Dr. Arpan Laskar
HOD, Civil Engineering
Department,
Techno College of Engineering
Agartala

ORGANISING COMMITTEE

FACULTY MEMBERS

Dr. Rupali Roy Paul , TCEA
Mr. Ranjit Das, TCEA
Mr. Suman Paul , TCEA
Mr. Mithun Ghosh, TCEA
Mr. Rahul Ghosh, TCEA
Mr. Deep Chakraborty, TCEA
Mrs. Srila Dey, TCEA

STUDENT MEMBERS

Miss Sneha Roy, NIT Agartala
Mr. Sandipta Acharjee, NIT Agartala
Mr. Mantu Ghosh, TCEA
Miss Priyamma Banik, TCEA
Miss. Surmilita Paul, TCEA
Miss Ipshita Mukherjee, NIT Agartala