



3rd International Virtual Workshop on Global Seismology & Tectonics

20-30th September 2022



Institute at a Glance:

North East Institute of Science and Technology (NEIST), Jorhat, Assam, a constituent establishment of Council of Scientific and Industrial Research (CSIR), New Delhi, has been engaged in multidisciplinary R&D work relevant to the country in general and North East of India (NE India) in particular. The Geoscience & Technology Division (GSTD) of CSIR-NEIST has been involved in monitoring the seismicity of NE India since 1982. Seismic hazard and vulnerability assessment of the populated cities and urban areas in NE India and propagating seismic hazard awareness have been some of the major programs of the division, apart from conducting geotechnical/geophysical consultancy services.

Aim of the Virtual Workshop:

Due to several physical communication constraints brought about by the COVID-19 pandemic situation, the practice of disseminating knowledge and ideas through webinar, a live interactive event where attendees join via their desktop or mobile device over the internet, have significantly proliferated. While research activities, including research exchange and collaborations, during this unprecedented situation have decelerated, it is imperative to boost the morale of the students and researchers by providing opportunities to interact with eminent personalities of their research interest. In accordance with this, the Geoscience & Technology Division (GSTD) of CSIR-NEIST Jorhat would like to conduct the 3rd INTERNATIONAL VIRTUAL WORKSHOP on "Global Seismology & Tectonics" series targeting the geosciences students and community, during 20-30 September, 2022.

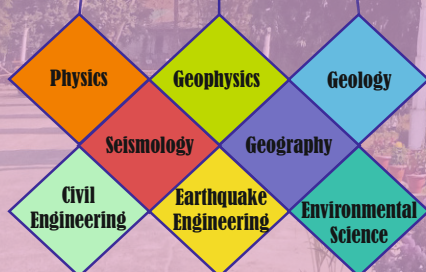
The lecture sessions aim to impart important information on emergent and impending topics of Seismology and Tectonics, involving case studies from seismically active zones of the world. The eminent keynote speakers of the workshop represent diverse geosciences forums and institutes or institutional departments across the world, including the United States Geological Survey, National Center for Seismology and Tohoku University.



Workshop Info.

Registration Starts: 05th August 2022
Registration Closes: 20th August 2022
Acceptance: 15th Sept. 2022
Inauguration: 20th Sept. 2022
Time: 09:30 am IST, +5:30 hrs GMT
Registration Fee: Nil (Free)

Targeted Discipline




Targeted Group



Registration/Workshop Link


Registration Link for International Participants



Scan QR Code

Click Here

Registration Link for Indian Participants



Scan QR Code

Click Here



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3rd International Virtual Workshop on Global Seismology & Tectonics

20-30th September 2022

Webinar Schedule

Inauguration 🏛️ 20th September, 2022 @ 9:30-9:55 am IST (+5:30 GMT)

SPEAKERS

Shailesh Nayak, Director, NIAS, India



A Scientific Drilling in Koyna: An Experiment to Understand Triggered Earthquakes

🏛️ 20th September @ 10:00 am IST
19th September @ 09:30 pm PDT
20th September @ 06:30 am CEST

Abhijit Ghosh, Univ. of California, USA



Structural Complexities Control Rupture of the Himalayan Megathrust

🏛️ 21st September @ 10:00 am IST
20th September @ 09:30 pm PDT
21st September @ 06:30 am CEST

Jeanne Hardebeck, USGS, USA



What causes Aftershocks?

🏛️ 22nd September @ 10:00 am IST
22nd September @ 12:00 am EDT
21st September @ 09:30 pm PDT
22nd September @ 06:30 am CEST

Dapeng Zhao, Tohoku University, Japan



Seismic structure and dynamics of the Japan subduction zone

🏛️ 23rd September @ 10:00 am IST
23rd September @ 01:30 pm JST
22nd September @ 09:30 pm PDT
23rd September @ 06:30 am CEST

C. P. Rajendran, NIAS, Bengaluru



The Medieval Pulse of Earthquakes in the Central Himalaya and the future seismic hazard in the region

🏛️ 24th September @ 09:00 am IST

Sukanta Roy, Director, BGRL (MoES), India



Deep drilling and downhole measurements/monitoring to understand earthquake processes

🏛️ 25th September @ 10:00 am IST
24th September @ 09:30 pm PDT
25th September @ 06:30 am CEST

Margarita Segou, British Geol. Survey, UK



The physics of earthquake interactions: Recent Advances Informed by Deep-Learning Catalogs

🏛️ 26th September @ 03:00 pm IST
26th September @ 10:30 am BST

Sumer Chopra, Director, ISR-Gujarat



Seismicity in intraplate Gujarat region

🏛️ 27th September @ 10:00 am IST
26th September @ 09:30 pm PDT
27th September @ 06:30 am CEST

Sridevi Jade, Head, CSIR-4PI, India



GNSS based Geoscience Research in Indian Subcontinent

🏛️ 27th September @ 03:00 pm IST
27th September @ 02:30 am PDT
27th September @ 11:30 am CEST

Justin Rubinstein, USGS, USA



Earthquakes in the Heartland: How Energy Production Causes Earthquakes in Unexpected Places

🏛️ 28th September @ 10:00 am IST
27th September @ 09:30 pm PDT
28th September @ 06:30 am CEST

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SPEAKERS

Wiwit Suryanto, UGM, Indonesia

Sagarika Mukhopadhyay, IIT-Roorkee, India



Crustal Anisotropy of Sumatera from Harmonic Decomposition of Receiver Function



29th September @ 10:00 am IST
29th September @ 11:30 am WIB



3-D Seismic Velocity Structure of the Lithosphere and its Geodynamic Implications for the Western Himalayas, Western Himalayan Syntaxis, and Pamir-Hindu Kush Region



29st September @ 03:00 pm IST
29st September @ 02:30 am PDT
29st September @ 11:30 am CEST

Julian J. Bommer, Imperial College London, UK



Earthquake Hazard and Risk Analysis for Natural and Induced Seismicity: Towards Objective Assessments in the Face of Uncertainty

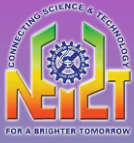


30th September @ 03:00 pm IST
30th September @ 10:30 am BST



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Former Dy. DG, GSI, India

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Gadhja Madha University, Indonesia



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GUIDELINES

- ★ The virtual workshop, in the form of a series of lectures, will be held only via Microsoft Teams, an internet based visual communication platform.
- ★ The participants are requested to download and install Microsoft (MS) Teams software (<https://www.microsoft.com/en-in/microsoft-365/microsoft-teams/download-app>) in their desktop or mobile devices.
- ★ The participants are expected to mute their microphones and turn off their cameras during lectures by the speakers. They can be turned on only if direct interaction during Q&A session is desired.
- ★ E-certificate shall be provided to registered participants upon request, if they have attended at least 80% of the virtual workshop.