



Indian Institute
of Technology
Gandhinagar

WORKSHOP AND HANDS-ON TRAINING IN
EMERGING APPROACHES IN
EARTHQUAKE

OCCURRENCE AND RISKS

JULY 5 - 12, 2022

Conventional seismology and geodynamics have provided us with a wealth of knowledge regarding subsurface velocity structures and geological processes at various depths. Recent data, however, such as slow earthquakes and tremors, have called into question our knowledge of the physics of earthquake occurrence. Nonetheless, seismic observations and interpretational data have been employed to create realistic earthquake risk estimations. Furthermore, various cutting-edge statistical (e.g., Epidemic-Type aftershock sequence modelling) and numerical (seismo-thermomechanical modelling) modelling tools have pushed the envelope in terms of understanding earthquake mechanics.

Students will be taught a number of new and traditional methodologies for analysing features and trends in seismic events during this workshop. They will also be taught to cutting-edge approaches for assessing the seismic risk that is currently being developed.

SPEAKERS

Prof Masataka Kinoshita

Professor, ERI
Tokyo University, Japan

Dr Sanjay Bora

Senior Scientist
GNS Science, New-Zealand

Dr Shyam Nandan

Senior Researcher
ETH Zurich, Switzerland

Prof R N Singh

Visiting Professor
IIT Gandhinagar

Dr Yavor Kamer

Senior Researcher
RichterX, Zurich Switzerland

Prof Aitaro KATO

Professor
Tokyo University, Japan

REGISTRATION LINK

tiny.cc/earthquake-01

CONTACT

PROF UTSAV MANNU
UTSAV.MANNU@IITGN.AC.IN

