

Seismic Response Estimation of Structures

About the topic: The speaker will discuss the characteristics of seismic loading, salient characteristics of earthquake ground motion, and different methods of linear and non-linear analysis of structures for estimating seismic response. The selection and spectral matching of earthquake ground motions for time-history analysis will also be elaborated.

Keynote Speaker



Prof. Yogendra Singh

IIT Roorkee

About the Speaker: Prof. Yogendra Singh is currently Railway Bridge Chair, and former Head of the Department of Earthquake Engineering at Indian Institute of Technology Roorkee. His research interests include Performance Based Design of Buildings and Bridges; Seismic Vulnerability and Risk Evaluation; Non-Linear Modelling and Analysis; Seismic Evaluation and Retrofitting of Structures; and Earthquake Engineering in Hilly Regions. He has more than 28 years of research and teaching experience, guided 14 Ph.Ds., published more than 80 research articles in the International journals of repute. He has been member of several expert teams including the BIS expert group on Performance Based Seismic Design of Structures. He has a collaboration with several International universities and research organizations, including NORSAR-Norway, NGI-Norway, NTU-Singapore, Stanford University-USA, University of Edinburgh-UK, University of Windsor-Canada, University of California-USA, and University of Porto-Portugal.

Faculty Advisor



**Dr. P. Pravin Kumar
Venkat Rao**

Assistant Professor, EERC
IIIT Hyderabad

29 August 2022 | 2:45 pm - 4:30 pm (IST)

Registration Link

<https://bit.ly/3Cycc4U>

Zoom Link



<https://bit.ly/3pJuVmH>

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