

Department of Civil Engineering, NIT Rourkela Organized the webinar in association with Soil Dynamics Forum, Indian Society of Earthquake Technology (ISET)

Department of Civil Engineering, NIT Rourkela has organized a special webinar on 'Influence of Local Soil Conditions on Seismic Site Response and the Challenges involved in their Estimation' in association with Soil Dynamics Forum, ISET on 18th September 2020 from 11AM to 1PM.

The poster is for a webinar titled "Influence of Local Soil Conditions on Seismic Site Response and the Challenges involved in their Estimation". It is organized by NIT Rourkela in association with the Soil Dynamics Forum and the Indian Society of Earthquake Technology (ISET). The webinar is scheduled for September 18th at 11 AM. Registration is required before 8 PM on September 17th. The speaker is Prof. Ravi Sankar Jakka, an Associate Professor in the Department of Earthquake Engineering at IIT Roorkee. For queries, contact Dr. Rabi Narayan Behera, the coordinator, at rnbehera82@gmail.com. A registration link is provided: https://forms.gle/6si3jrrxkp1EQne17.

Abstract of the Webinar: Local soil conditions play a very important role on the intensity of ground shaking and thereby the subsequent structural damages. In this webinar, the mechanism of local soil/site conditions on how they modify the ground shaking, various factors involve in the process would be initially discussed. Later, procedure for the estimation these local site effects would be introduced. In the last part, various challenges involved in the estimation of local soil conditions would be discussed along with the recent developments.

About the Speaker: Prof. Ravi Sankar Jakka is working as Associate Professor in the Department of Earthquake Engineering, Indian Institute of Technology, Roorkee. He is also currently serving as Secretary, Indian Society of Earthquake Technology(ISET). He has graduated in Civil Engineering from Andhra University Engineering College in the year 2001. He has obtained masters and doctorate degrees from IIT Delhi in the years 2003 and 2007

respectively. His areas of interest are Dynamic Site Characterization, Foundations, Soil Liquefaction, Slope Stability, Landslides & Seismic Hazard Assessment. He has published over 100 articles in reputed international journals and conferences. He has supervised 34 Masters Dissertations and 6 Ph.D. thesis, while he is currently guiding 10 PhD Thesis. He has received prestigious DAAD and National Doctoral fellowships. He has obtained University Gold Medal from Andhra University. He also received 'Young Geotechnical Engineer Best Paper Award' from Indian Geotechnical Society. He has also got SERB/DST Young Scientist Research Grant. He was instrumental in the development of Earthquake Early Warning System for northern India, a prestigious national project. He is also the Organizing Secretary to 7th International Conference on Recent Advances in Geotechnical Earthquake Engineering.