



Earthquake Reconnaissance and Innovative Seismic Design Approaches

Asst. Prof. Dr. Marko Marinković

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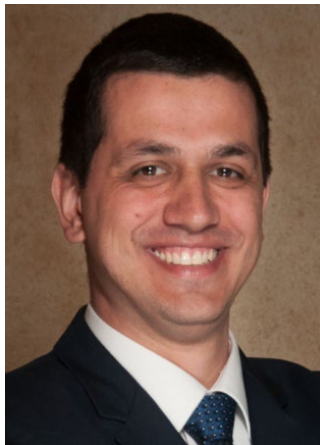
Conference Room, Bowen Laboratory 1040 S River Rd West Lafayette, IN

Pizza will be provided !

Abstract

This presentation will give examples of the observed building and infrastructure damage as well as address the seismological and geotechnical aspect from earthquake reconnaissance mission in Albania (2019), Croatia (2020) and Türkiye (2023). Serbian Association of Earthquake Engineering (SUZI/SAEE) organized reconnaissance missions to collect data on building and infrastructure damage and post-earthquake recovery efforts. Marko Marinković spent 3 weeks with ACI-133 in Türkiye and some findings will be given during this presentation. Different aspects and similarities of these three earthquakes will be shown followed by the overview of the experimental campaigns in Germany, Italy, Slovenia and Macedonia on RC structures with masonry infill walls with the innovative rubber connection that is developed and patented by Prof. Marinković. Research fields and ongoing projects of Marko Marinković will be also presented.

Brief Bio



Asst. Prof. Dr. Marko Marinković is an assistant professor at the University of Belgrade, Faculty of Civil Engineering, and president of the Learning from Earthquakes Committee of SAEE. His research specializes in the seismic analysis of reinforced concrete, masonry, and steel structures. He contributes to the development of new Eurocodes through the European Commission's CEN/TC 250 working group and leads Horizon Europe projects on sustainable construction and machine learning for earthquake recovery.

Dr. Marinković has participated in several European research programs on shaking-table tests, seismic risk assessment, and retrofitting techniques. With over 100 publications and awards from fib and IAEE, he is a recognized leader in earthquake engineering. He is also an active member of EERI, EAEE, StEER, and currently serves as vice president of SAEE.