

ESSSA_05: Understanding Earthquake Ground Motions

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Session Description

Many factors influence earthquake ground motions including variations at the source, along the ray's path within the crust, and near the Earth's surface. Ground motion models account for these variations in multiple ways from regional empirical ground motion prediction equations to local 3D numerical wavefield simulations. Here we seek presentations addressing the latest in ground motion modeling; some examples include research related to the development of the Next Generation of ground motion models for Eastern North America and research related to local hazard assessments in urban areas.

Primary Affiliation: Eastern Section - Seismological Society of America

Joint Session Submission: CGU-Solid Earth