

ESSSA_01: Understanding earthquake ground motion at sites in Central and Eastern North America

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Session Description

This session solicits papers on factors that control or contribute to earthquake ground motions in Central and Eastern North America (CENA), with a special emphasis on site factors. Modelling site response is an important component in development of ground motion and hazard models which has not been fully explored in past ground motion projects for CENA. We especially solicit papers dealing with site characterization and proxies in CENA for building code applications (e.g. f_{peak} , V_{S30} , etc.), as well as papers on the high-frequency spectral decay of Fourier amplitude spectra (κ_0) for rock sites. We also welcome papers on techniques for site characterization, modelling ground motion and site response, defining shear wave velocity profiles, and recent earthquake sequences and their ground motions.

Primary Affiliation: Eastern Section - Seismological Society of America

Joint Session Submission: none