ESSSA_02: Forecasting Seismicity Patterns in Central and Eastern North America from Aftershock Sequences to Long-term Strain

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Session Description

A key issue in assessing seismic hazard in central and eastern North America (CENA) is the ability to determine the root causes of spatial variations in earthquake rates and the extent to which past events portend future seismicity. This session seeks a variety of perspectives on CENA earthquake forecasting, from extrapolations based on historical seismicity to geodynamic models. Among many other themes, contributions related to declustering, operational earthquake forecasting, and modeling of characteristic versus Gutenberg-Richter recurrence, as well as those that explore geodetic constraints on intraplate strain or geologic records of repeating large-magnitude events are warmly welcomed.

Primary Affiliation: Eastern Section - Seismological Society of America

Joint Session Submission: CIG, CGU-Solid Earth