Session ID: REC-5

Title
INNOVATIONS IN RAPID POST EARTHQUAKE ASSESSMENT METHODS AND TECHNOLOGIES

Convenors
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Description
Post earthquake assessment methods have advanced greatly over the last 10 years. This includes development of assessment procedures that are more robust than traditional methods due to the use of more accurate demand parameters, as well as a greater understanding of ground motion models and attenuation. In addition, machine learning and visual techniques have been coupled to allow engineers to rapidly assess the condition of structures with tools as simple as a smartphone. These and other innovations will be discussed during this session. Rapid assessment methodologies can be used for both planning scenarios and prioritization of inspection and repair. The research described in this session will advance both of these goals.

Invited Speakers
M. Tazarv [3], A.P. Bona [1], D. Wald [4]

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