

**Session ID:** EVO-2

**Title**

SEISMIC DESIGN FOR FUNCTIONAL RECOVERY PERFORMANCE

**Convenors**

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**Description**

The recent development of post-earthquake recovery time estimation frameworks (e.g., ATC-138) furthers the discussion of how to use recovery time estimates to develop seismic design provisions for functional recovery performance. This technical session will provide an overview of ongoing research to support the development of seismic design provisions for functional recovery performance in the next generation of building codes and standards, including, but not limited to, the following technical presentations:

- A framework for setting component-level design requirements to meet building-level functional recovery goals
- Designing to limit structural damage that leads to unsafe placards and long recovery times
- Component-based design requirements for drift-sensitive components to meet functional recovery goals
- Improved fema p-58 fragility functions for acceleration-sensitive components for building functional recovery assessment
- Component-based design requirements for acceleration-sensitive components to meet functional recovery goals
- Designing to limit uncertainty in post-earthquake functional recovery time.

**Invited Speakers**

A. Liel <sup>4</sup>, D. Cook <sup>5</sup>, E. Opabola <sup>6</sup>, A. Hulsey <sup>7</sup>, K. Blowes <sup>1</sup>

**Affiliations**

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