Special Issue Announcement

The Importance of Strong Ground Motion in Performance Based Earthquake Engineering

[Journal of Seismology and Earthquake Engineering]

Strong-motion data is essential for seismic hazard assessment, which provides the key engineering demand parameters for engineering design. The increased importance of seismic performance verification of structural systems that relies on the selection and scaling of a proper set of accelerograms has further increased the significance of high-quality strong-motion data among the engineering community. Under these points the enhanced strong-motion networks and expert analysis on strong-motion data with physical bases play key roles in engineering design and verification of structural systems.

This special issue welcomes papers on the recent developments in strong-motion monitoring, strong-motion databases and state-of-the art (as well as innovative) methodologies that are employed in record selection and scaling for engineering design and verification. The following themes will be of convenience in this regard:
- ✓ Strong-motion networks, key steps in metadata compilation of strong-motion data
- ✓ Consistent strong-motion data processing
- ✓ Code conforming ground motion selection
- ✓ Ground motion selection based on spectral shape indicators
- ✓ Structural response-history versus input motion
- ✓ Artificial and synthetic ground motion records
- ✓ Ground motion record selection in multi-seismic-sources regions
- ✓ Influence of Ground Motion Prediction Equations (GMPEs) on hazard assessment and PBEE

Before submission authors should carefully read the journal's **Author Guidelines [http://www.jseeonline.com/index.php/jsee/about/submissions#authorGuidelines]**.

To have a paper considered for publication in this special issue, please submit an abstract by **clicking here** no later than **December 1st, 2017**. Abstracts submitted after this date will not be considered. If your abstract is selected you will be notified by e-mail according to the time schedule listed below. Additional instructions for manuscript submission and acceptance will be provided.

Time Schedule
Manuscript submission deadline: May 15, 2018
Manuscript acceptance notification to authors: July 29, 2018

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