integrating science, engineering, & policy

Los Angeles, California

2018
June 25-29
Eleventh U.S. National Conference on Earthquake Engineering (11NCEE)
Integrating Science, Engineering, and Policy
June 25-29, 2018
Los Angeles, California

Purpose

The Eleventh U.S. National Conference on Earthquake Engineering, on the 70th Anniversary of the forming of the Earthquake Engineering Research Institute, will provide an opportunity for researchers and practitioners to share the latest knowledge and techniques to better understand and mitigate the damaging effects of earthquakes and tsunamis. With the theme “Integrating Science, Engineering, and Policy,” the conference will bring together professionals from the full spectrum of the earthquake community to discuss and debate a multitude of issues related to seismic hazard, risk, mitigation and public policy.

The Earthquake Engineering Research Institute (EERI) is organizing this conference in collaboration with the Southern California Earthquake Center (SCEC). With numerous ongoing efforts in risk mitigation in the region that poses the largest seismic risk in the United States, Los Angeles and Southern California will form an ideal setting for the conference. The conference will provide a unique environment to facilitate synergy between earthquake scientists, engineers and policy professionals from the United States and around the world. This conference brings together professionals from a broad range of disciplines, including architecture, structural engineering, seismology, geology, geophysics, geotechnical engineering, business, public policy, social sciences, regional planning, emergency response planning, and regulation.

Venue

The Westin Bonaventure Hotel & Suites, Los Angeles
404 South Figueroa Street
Los Angeles, CA 90071, United States

The Westin Bonaventure hotel provides the ultimate urban oasis in the heart of the downtown Los Angeles business district. The hotel is an international symbol that has come to represent the beauty and sophistication of the City of Angels, and is one of the most photographed destinations in the world. Stroll through the atrium lobby, and you'll immediately see why. Enjoy spectacular skyline views, access to over 40 specialty boutiques and restaurants, and unparalleled meeting and conference facilities.
Technical Program
The technical program will consist of keynote lectures, thematic panels, technical sessions (oral and poster), mini-workshops, and special sessions. Participants will receive electronic proceedings as part of the registration package.

Concurrent Events
The 2018 Annual Meeting, EERI’s 70th, will take place at the 11th National Conference, along with EERI’s always exciting Annual Undergraduate Seismic Design Competition.

Technical Tours
EERI’s Southern California Chapter and SCEC are organizing technical tours as part of the pre- and post-conference activities. More information about these tours will be available at www.11ncee.org.

Exhibits and Sponsorship
There will be space available for exhibits and opportunities for sponsorships. Interested organizations should look for the Exhibitor and Sponsorship Brochures on the conference website: www.11ncee.org.
INSTRUCTIONS FOR PROSPECTIVE AUTHORS

Call for Papers

Paper Formats
The 11NCEE is accepting two paper types for the proceedings: The full paper option has a limit of ten pages, and the extended abstract paper option has a limit of four pages. Paper body text will be Times Roman 12-point and single spaced.

Submission of Abstracts
Authors must submit abstracts and papers online. Detailed instructions are available at the conference website: www.11ncee.org. The deadline for abstract submission is June 25, 2017.

Selection Criteria for Abstracts
The criteria are clarity of concepts, objectivity, organization, significance of the technical material, value as an original contribution, clarification or extension of existing information or concepts, adequacy, treatment of the subject, and freedom from commercialism.

Notification of Provisional Acceptance
Authors will receive email notification of provisional acceptance of their abstracts by August 15, 2017. Format requirements for submission of full and extended abstract papers will accompany the notification.

Submission of Papers for Review
Final papers, both full and extended abstracts, must be received by October 31, 2017. A non-refundable deposit of $350 must accompany the submission of each paper. Each $350 deposit can be applied once toward the conference registration of any of the authors. An author can apply up to two credits toward their conference registration. Final papers will be reviewed using the same criteria as for abstracts; however, the papers will also be reviewed for relevance to the topic for which they are proposed.

Notification of Final Acceptance
Authors will receive review comments and confirmation of acceptance of their papers by January 15, 2018. Final revised papers will be due by March 15, 2018. Final submission of the paper must be accompanied by payment of the full conference registration fee for the presenting author.

Special Sessions—Proposals Welcome
The conference will include a small number of special sessions. Attractive special session proposals cross disciplinary and general topic boundaries, and raise challenging issues. The program committee is particularly interested in special session proposals that relate to the conference theme of integrating earthquake science, engineering, and policy, and those that address the hazards, risks and policies related to Southern California, the setting for the conference. Special sessions can be mini-workshops, panels, debates or other unique and engaging formats.

Special session proposals should not be merely a collection of presentations in a general topic area. This type of session will be built by the program committee after reviewing the submitted papers.

Those interested in proposing a special session can find directions at the conference website, www.11ncee.org. The deadline for submitting special session requests is March 31, 2017.

Special session proposers will be notified of acceptance by April 30, 2017. Authors proposed to present papers in a special session must submit abstracts following the same procedure as regular papers.
Call for Papers

Technical Program Topic Areas

- Advances in Non-Linear Modeling Tools
- Bridge Structures
- Buildings, Structural Systems
- Critical Infrastructure (hospitals, schools, power plants, dams, ports)
- Education and Outreach
- Engineering Seismology
- Experimental Methods
- Ground Motion Modeling, Directivity & Spatial Correlation
- Ground Motion Simulations for Engineering Applications
- Ground Motion Spatial Variability
- High Performance Computing and Simulation
- Information Technology and Collaboration
- Instrumentation, Data Collection, and Seismic Networks
- Lessons Learned from Recent Earthquakes, Post-Earthquake Assessment and Response
- Liquefaction and Ground Failures
- Multi-Hazard Risk Assessment, Cascading Hazards following earthquakes
- Non-Structural Components and Systems
- Onshore and Offshore Southern California Fault Systems
- Operational Earthquake Forecasting
- Post-Earthquake Response, Emergency Management, Damage Assessment, and Recovery
- Repair and Retrofit
- Resilient Communities and Cities

- Risk and Loss Assessment and their Socio-Economic Impacts
- Risk and Resilience of Distributed Infrastructure and Lifelines
- Seismic Hazard Assessment
- Seismic Isolation, Energy Dissipation and Control Systems
- Seismicity, Earthquake Sources, and Earthquake Geology
- Seismology & Seismotectonics
- Socio-Economic Issues and Public Policy
- Soils, Foundations, Soil-Structure Interaction
- Tall Buildings Design and Issues
- Tectonics, Faults, and Large Earthquakes
- Tsunami Hazard Assessment, Design, and Recovery

Call for Papers

ELEVENTH U.S. NATIONAL CONFERENCE ON EARTHQUAKE ENGINEERING

The Westin Bonaventure Hotel & Suites
404 South Figueroa Street
Los Angeles, California

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SPONSORING ORGANIZATION
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SUPPORTING ORGANIZATIONS
Southern California Earthquake Center
Federal Emergency Management Agency

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