

STRUCTURAL ENGINEERING

Introduction:

The increasing necessity to solve complex problems in Structural and Earthquake Engineering requires the development of new ideas and innovative methods for providing accurate numerical solutions in affordable computing times.

The session will focus on Structural Engineering as a key industry for addressing global challenges and ensuring sustainable growth of our society by providing a high quality built environment. The future responsibilities and interfaces to other discipline, and engage a wider community as well as important decision makers will be key debate. The purpose of this session is to bring together the scientific communities of Structural and Earthquake Engineering in an effort to facilitate the exchange of ideas in topics of mutual interest and to serve as a platform for establishing links between research groups with complementary activities. The communities of Structural Engineering will benefit from this interaction, acquainting them with advanced computational methods and software tools which can highly assist in tackling complex problems in dynamic/seismic analysis and design, to become more familiar with very important application areas of great social impact.

List of topics:

Topics of interest for submission include, but are NOT limited to:

- Smart materials.
- Fiber reinforced concrete
- Advances in Design of Structure
- Numerical simulation methods for dynamic problems
- Optimum design in structural dynamics and earthquake engineering
- Repair and retrofit of structures
- Soil-structure interaction
- Performance-based earthquake engineering
- Structural Health Monitoring
- Tall Buildings and Urban Habitat

Information for Authors:

Papers must be prepared using IEEE templates. Papers should be submitted through <http://www.easychair.org/conferences/?conf=icetet15>. Special Session papers will be reviewed with the same criteria as Regular Session papers. Accepted papers will be presented at the conference.

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