

IMPORTANT DATES**Submission of Abstracts**

15 July 2008

Preliminary Acceptance

31 July 2008

Submission of Full Papers

31 December 2008

Final Acceptance

31 March 2009

LANGUAGE

English will be the official language for both oral and printed contributions.

PROCEEDINGS

All accepted papers will be presented during the working sessions. The proceedings will be distributed at the registration desk at the beginning of the Conference. Oral presentation is required for the publication of a paper in the Proceedings.

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**BEHAVIOUR OF STEEL
STRUCTURES IN SEISMIC
AREAS****SIXTH INTERNATIONAL CONFERENCE**

LOEWS HOTEL

PHILADELPHIA, PENNSYLVANIA
USA

AUGUST 16-20, 2009

Organized by:**Lehigh University**
Bethlehem, PA USA**University of Naples "Federico II"**
Naples, Italy**Submission of Abstracts**

The abstracts will be submitted electronically through the website:

<http://stessa2009.atlss.lehigh.edu/>

Information

For general information please contact the following e-mail address:

instessa@lehigh.edu

Introduction

The Organizing Committee is pleased to announce STESSA 2009, the sixth edition of this Specialty Conference. The Conference, as in the past, is devoted to the behavior of steel structures in seismic areas. Philadelphia (United States) has been selected for the venue of the Conference. It will be the first time that the Conference has been held in the United States. Previous editions of the Conference were held in Timisoara (Romania 1994), Kyoto (Japan 1997), Montreal (Canada 2000), Naples (Italy 2003), and Yokohama (Japan 2006). About 150 participants from 20 countries took part in the last edition of the Conference in Yokohama.

Objectives

Steel structures designed and constructed according to modern practice can be expected to meet the performance objective of life safety under severe seismic loading. Current research focuses on minimizing earthquake-induced damage to new steel structures to reduce social and economic disruption from future earthquakes. New topics like retrofit of old structures and understanding the collapse behavior of steel structures under extreme seismic loading are dealt with. At the same time, a new generation of large-scale laboratory facilities for simulating earthquake effects on structures has been commissioned, enabling realistic simulations that were not possible in the past. To reflect these current trends, the STESSA 2009 conference objectives are to disseminate research in the following general areas: minimizing earthquake-induced structural and non-structural damage to new steel structures; retrofit to improve the seismic performance of existing, critical structures; understanding the collapse behavior of steel structures under extreme seismic loading; and utilizing advanced laboratory facilities to understand and improve the seismic performance of steel structures.

Scope

The STESSA 2009 conference will enable researchers and practitioners to present and assess the results from recent research on minimization of the earthquake damage, on seismic retrofit, and on the collapse behavior of steel structures. In addition, numerous research projects on steel structures using recently-commissioned large-scale earthquake simulation facilities will be ready for dissemination.

Conference Venue

The Conference will be held in downtown Philadelphia at the Loews Hotel from August 16 through August 20, 2009. A block of rooms has been reserved at the hotel for the participants. Granted a charter in 1701, Philadelphia is the fifth largest city in the United States with a population of just over 6.2 million people. Notable attractions include the Betsy Ross House, the Liberty Bell Center, Independence Hall, the National Constitution Center, the Old City District, the U.S. Mint and the Franklin Institute. Philadelphia is also a vibrant and rich center for arts and culture.

Main Topics

1. Performance-Based Design of Structures
2. Seismic, Wind and Exceptional Loads
3. Material Behavior
4. Member Behavior
5. Connection Behavior
6. Global Behavior
7. Analytical and Experimental Methods
8. Mixed and Composite Structures
9. Passive, Semi-active, and Active Control
10. Strengthening, Repair, and Monitoring
11. Codification
12. Design, Fabrication, and Practice

For a more detailed description of the Main Topics, please visit the website at:
<http://stessa2009.atlss.lehigh.edu/>

Format

The technical program of the Conference will consist of working sessions introduced by the Chairman and the General Reporters, followed by oral presentations and open discussion.

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