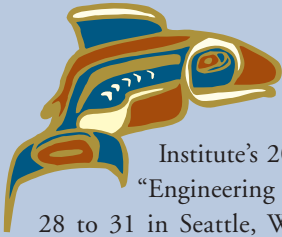


### Structures Congress 2003 News



#### 2003 Structures Congress

The Structural Engineering Institute's 2003 Structures Congress and Exposition, "Engineering Smarter," was a great success. Held May 28 to 31 in Seattle, Washington, the Congress had over 550 attendees with 6 tracks and over 80 sessions. A new concept this year was the "Study, then Tour" feature, with sessions presented first and followed by tours of exciting structural engineering achievements in Seattle: the floating bridge, Central Library, and Seahawk Stadium. There were 11 sessions dedicated to a special track on professional and practice issues, and the Steel Bridge Forum was integrated into the program.

The "Best Presentation" recognition program, instituted last year, was in effect again this year, with a ballot provided in each registration packet. There was a tie between Benjamin Schaefer -Transportation - "Performance Field Testing a Missouri Two-Span HPS Bridge" and Michael Barker - Buildings - "Coming Soon: A Simpler, Faster, Cold-Formed Steel Design." In third place is Eric Elsesser - "The Aesthetic Issues in Selecting Seismic Upgrade Solutions for Historic Buildings." The winner of the drawing for a set of standards was Evans Mountzouris. A program slot has been reserved for the winning presenters to make their presentations again at the ASCE Conference in Nashville, November 12 to 15, 2003.

To purchase a copy of the proceedings on CD-ROM, contact SEI at [mesaville@asce.org](mailto:mesaville@asce.org). The price is \$29.95.

#### SEI 7th Annual Plenary and Business Meeting

We were very pleased to have Pat Galloway, ASCE President-elect, make a brief presentation. Charles Roeder, the Congress Steering Committee Chair, presided. The Keynote address was a presentation by Jon Magnusson on "The Engineering 'Secrets' behind Seattle's New Generation of Structural Landmarks." His address included spectacular old and new photos of some of Seattle's landmarks, and explanations of how being in a highly seismic area provides challenges to engineers. It was an educational and entertaining presentation. Magnusson is president of Magnusson Klemencic Associates in Seattle, Washington.

The Annual Business Meeting followed the opening plenary session. SEI President, John Tawresy, reported on SEI's accomplishments over the past year and gave a glimpse into what members can look forward to in the future. SEI Director, Jim Rossberg reported on activities of SEI's four divisions and SEI's financial and membership performance, indicating a steady growth for the organization. Several members were recognized for their accomplishments and service to the Divisions and SEI:

<i>Charles Roeder</i>	<i>Ed Bergeron</i>	<i>Theodore Galambos</i>
<i>Donald E. Grierson</i>	<i>Rawn Nelson</i>	<i>Christopher Poland</i>
<i>Max Porter</i>	<i>Robert Ratay</i>	<i>Jim Rossberg</i>

*James Harris and the SEI/ASCE 7 Task Committee Chairs: Donald Dusenberry, Bruce Ellingwood, Y. K. Wen, Christopher Jones, Lawrence Griffis, Michael O'Rourke, Robert Bachman, Alan Peabody*  
*Thanks to the Journal of Bridge Engineering Editorial Board for their contributions*

#### Diversity Luncheon

The ASCE Diversity Committee hosted a dynamic, entertaining and informative luncheon highlighting an overview of the Society's diversity efforts. Our sincere appreciation goes to Grace Crunican, who delivered an excellent speech on Diversity in the Workplace to about 25-30 guests.

#### SEI Awards Luncheon

Bruce Ellingwood, Chair of the Technical Activities Division Awards Committee, was the master of ceremonies, and the guest presentation was by Paul Dorpat, a local historian, teacher, lecturer, consultant, publisher and producer of programs for PBS television. Mr. Dorpat's subject was "Building Washington: A History of Washington State Public Works." Again, the audience was treated to an array of photos that told the story of Seattle's history.

SEI President, John Tawresy presented the following awards to leaders in the field of structural engineering:

#### SEI Awards



*Left to Right: Deierlein, Goodno, Pekoz, Appleton, Frangopol, Allen, Moses, Mehanny, White, Imai, Davenport.*

The **Dennis L. Tewksbury Award** - presented to **Barry Goodno** in appreciation for his years of outstanding service to SEI. Goodno is currently a member of the SEI Board of Governors and serves on the Membership Committee. Dr. Goodno is a professor of Civil and Environmental Engineering at the Georgia Institute of Technology in Atlanta, and is a research program coordinator and member of the leadership team for the Mid-America Earthquake (MAE) Center.

The **Walter P. Moore, Jr. Award** - presented to **Fred Moses**, for contributions to the development of new generation structural design and evaluation codes for highway bridges and offshore structures. His research has contributed to the development of a new generation of structural design and evaluation specifications. Dr. Moses is professor emeritus at the University of Pittsburgh.

The **Gene Wilhoite Innovations in Transmission Line Engineering Award** - presented to **H. Brian White** for making significant contributions to the advancement of the art and science of transmission line engineering. White is a world renowned designer of transmission line facilities, a teacher, speaker and author.

**Special Award** – presented to **Joe Appleton** by the Technical Activities Division of SEI. The award was given in recognition of his creativity, vision and leadership in the development of the Structures Congress concept and the implementation of the congresses. Mr. Appleton is retired from the University of Alabama at Birmingham.

### *ASCE Society Awards with a focus on Structural Engineering*

**Raymond C. Reese Research Prize** – awarded to **Professor Gregory G. Deierlein** and **Sameh S.F. Mehanny**, for the paper, "Seismic Damage and Collapse Assessment of Composite Moment Frames" published in the September 2001 *Journal of Structural Engineering*.

**Moisseiff Award** – presented to **Kiyohiro Imai** and **Dan Frangopol** for their paper, "Reliability-Based Assessment of Suspension Bridges: Application to the Innoshima Bridge" published in the Nov/Dec 2001 *Journal of Bridge Engineering*.

**Shortridge Hardesty Award** – presented to **Dr. Teoman Pekoz** for sustained and substantial contributions to the field of structural stability during his career of active teaching and research.



*Left to Right: Alan Davenport and Jack Cermak*

**Jack E. Cermak Medal** – awarded to **Dr. Alan G. Davenport** (pictured) for his fundamental contributions on modeling meteorological features on skyscrapers and large bridges and his profound influence on the design of landmark structures

**Ernest E. Howard Award** – presented to **Dr. Fred Moses** for over 40 years of effort and contribution to structural engineering through the development of a new generation of structural design and evaluation specifications. Moses is also the recipient of this year's Walter P. Moore, Jr. Award.

**T.Y. Lin Award** – presented to **Michael G. Allen** and **Dr. Yahya C. Kurama** for the paper, "Design of Rectangular Openings in Precast Walls under Combined Vertical and Lateral Loads," published in the March/April issue of *PCO Journal*.

Full description, and application/nomination forms for the 2004 Awards can be found on the SEI Web site at [www.seinstitute.org](http://www.seinstitute.org). Click on **Honors and Awards** for the complete list. Most deadlines are November 1, 2003.

### *Upcoming Structures Congresses*

↳ 2004 – Nashville, TN

May 24-26, 2004

↳ 2005 – New York, NY

April 20-23, 2005

## Designing Structures for Fire Conference

September 30-October 1, 2003

Radisson Plaza Lord Baltimore Hotel  
in Baltimore, MD



INTENDED FOR... Provision of appropriate fire resistance to structural members is one of the major safety requirements in building design. However, evaluating fire resistance of a structure is very complex and requires significant effort. While there has been advancements in developing new approaches for evaluating fire resistance, much of this knowledge has been applied by true "fire specialists." In the aftermath of the September 11 terrorist incidents, resulting in significant damage and destruction to buildings and infrastructure in the WTC vicinity and Pentagon, building performance under fire conditions has received significant attention of the research and engineering community. This conference is aimed at sharing the recent advancements in fire resistance design with researchers, engineers and practitioners. The conference is of particular interest to scientists, fire protection/structural/material engineers, architects and regulators.

### *Seminar Themes*

- Current methodology of fire resistance evaluation – merits and drawbacks
- Fire resistance evaluation through testing
- Fire resistance evaluation through numerical modeling
- Fire resistance evaluation through simplified (calculation) methods
- Material performance and properties under fire
- Performance based fire safety engineering
- WTC and Pentagon disaster – fire resistance issues
- Fire resistance case studies of actual buildings
- Integrating fire and aesthetics
- Strategies for complying with fire resistance requirements in codes and standards

The conference is co-sponsored by the Structural Engineering Institute of ASCE and the Society of Fire Protection Engineers (SFPE).

For more information and to register, visit the conference Web site at <http://www.sfpe.org> under the **Education & Special Events** tab.