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10 PDHs
10 Learning
Units



SYMPOSIUM ON SHELTERING IN PLACE

March 15-16, 2007
The Engineers Club
Baltimore, Maryland

A Message from the Co-Chairs

The subject of sheltering in place has become increasingly important to architects and engineers, owners, operators, risk managers and individuals responsible for ensuring occupant safety in new and existing buildings, from both the public and private sectors. This topic is multi-disciplinary in nature, as both operational issues and design issues for each of the aspects of buildings essential to sheltering in place need to be addressed. Over two days, leading experts will help us examine:

- Threat assessment
- Emergency response plans
- Life safety and long-term support
- Architecture
- Structure
- Building envelope
- Utilities and lifelines
- HVAC
- Fire protection.

In order to bring to the symposium the latest and best information on the topic, AEI has enlisted the cooperation of key organizations active in this area: FEMA, The Infrastructure Security Partnership (TISP), and the National Fire Protection Association (NFPA). This has made it possible to assemble an impressive group of leading experts who will not only make presentations on the topics listed in the symposium program, but will also lead discussions during the periods of interactive exchange which are expected to take place throughout the event and which will provide everyone with an opportunity to participate and learn.

The symposium will be held at the [Baltimore Engineers Club](#) located at the historic Garrett-Jacobs Mansion, an ideal setting next to a number of prestigious landmarks in the heart of Baltimore.

We look forward to seeing you!

Sincerely,

Mohammed Ettouney, Ph.D., P.E., F.AEI
Principal, Weidlinger Associates, Inc
Symposium Co-Chair

Charles A. Meyer, P.E., F.ACEC
President, Henry Adams, LLC
Symposium Co-Chair

PROGRAM AT A GLANCE

| | TIME | TOPIC | SPEAKERS / MODERATORS |
|---------------------------|-------------------|---|---|
| Introduction | 1:00 pm-1:15 pm | Welcome | David Mongan, P.E., President-elect, American Society of Civil Engineers |
| | 1:15 pm-1:45 pm | Keynote: Need for Sheltering in Place | John H. Sorensen, Ph.D., Distinguished Research and Development Staff, Oak Ridge National Laboratory |
| | 1:45 pm-2:15 pm | Setting the Stage: Behavioral Issues | Rita F. Fahy, Ph.D., NFPA |
| | 2:15 pm-2:45 pm | Definition: What is Sheltering in Place? | Earle Kennett, AIA, NIBS |
| | 2:45 pm-3:00 pm | Break | |
| Operational Issues | 3:00 pm-3:30 pm | Threat Assessment | Marcelle Habibion, Ed.D., US Dept. of Veterans Affairs |
| | 3:30 pm-4:00 pm | Emergency Response Plans Applications | Ron Burton, BOMA International |
| | 4:00 pm-4:30 pm | Life Safety and Long-Term Support | Donald L. Schmidt, ARM, CEO, Preparedness, LLC |
| | 4:30 pm-5:00 pm | FEMA Activities and Resources on Sheltering in Place | Ron Barker, FEMA Office of Infrastructure Protection |
| | | Social Event with Speaker: Protecting the People | Dennis Schrader, P.E., Former Director, Maryland Governor's Office of Homeland Security |
| Physical Design | 8:00 am-9:30 am | Architectural Aspects | Martin Denholm, AIA, Smith Group Carl Galioto, FAIA, Skidmore Owings & Merrill, LLC |
| | 9:30 am-10:15 am | Structures / Building Envelope | Robert Smilowitz, Ph.D., P.E., Weidlinger Associates, Inc. Mohammed Ettouney, Ph.D., P.E., Weidlinger Associates, Inc. |
| | 10:15 am-10:30 am | Break | |
| | 10:30 am-11:30 am | Utilities / Lifelines | Chuck Meyer, P.E., Henry Adams |
| | 11:30 am-12:30 pm | Lunch | |
| | 12:30 pm-2:00 pm | HVAC | Andrew Persily, Ph.D., NIST/BFRL William K. Blewett, Battelle Eastern Science and Technology Center |
| | 2:00 pm-3:00 pm | Fire Protection | William Koffel, P.E., F.SFPE, Koffel Associates, Inc. |
| 3:00 pm-3:15 pm | Break | | |
| Wrap-up | 3:15 pm-3:45 pm | Multi-Disciplinary Aspects: How Does This Fit Together? | Mohammed Ettouney, Ph.D., P.E., Weidlinger Associates, Inc. |
| | 3:45 pm-4:30 pm | Panel Discussion | Chuck Meyer, P.E., Henry Adams and Mila Kennett, FEMA (Moderators) |

Please visit the [Symposium Website](http://content.asce.org/symposium/aei07/index.html) (<http://content.asce.org/symposium/aei07/index.html>) to check for program updates, view the speaker bios, and learn about other upcoming AEI events.

Registration

| | By February 28, 2007 | After February 28, 2007 |
|--|----------------------|-------------------------|
| Members of AEI, ASCE, or Cooperating Organizations (TISP, BSC, NFPA) | \$175 | \$225 |
| Others | \$225 | \$275 |

***Registration includes: attendance to all sessions, a notebook of all presentations and abstracts, attendance to the social event on March 15, 2007, lunch on March 16, 2007, refreshments during both days, and the ability to earn 10 AIA/CES Learning Units or 10 PDHs.**

To learn more about this event and to register please visit the Symposium [website](http://content.asce.org/symposium/aei07/index.html) (<http://content.asce.org/symposium/aei07/index.html>).

Who Should Attend

Those who should attend this symposium include but are not limited to architects and engineers, owners, operators, risk managers and individuals responsible for ensuring occupant safety in new and existing buildings, from both the public and private sectors

Getting to Baltimore and the Engineers Club

Baltimore is of easy access by air, by rail, and by road. Transportation information is available [here](#) and local maps are available [here](#).

The Symposium will take place at [Engineers Club](#) located at the Garrett-Jacobs Mansion, 11 West Mount Vernon Place, Baltimore, Maryland 21201. A virtual tour of this historic building is available [here](#) and driving directions, a map, and parking information can be found [here](#).

Hotel Information

Peabody Court Hotel
612 Cathedral Street
Baltimore, MD 21201
410-727-7101

Tremont's Hotel
222 St. Paul Place
Baltimore, MD 21202
410-685-7777

Parking Information

Allright Parking Lot
410-685-2700

ABC Valet Company
433-271-6214

Baltimore Attractions and Events of Note

To learn more about Baltimore and its attractions please [click here](#).

Contact Information for AEI Staff

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AEI Website
www.aeinstitute.org

Cooperating Organizations

FEMA/Department of Homeland Security



National Fire Protection Association



The Infrastructure Security Partnership



Building Security Council



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