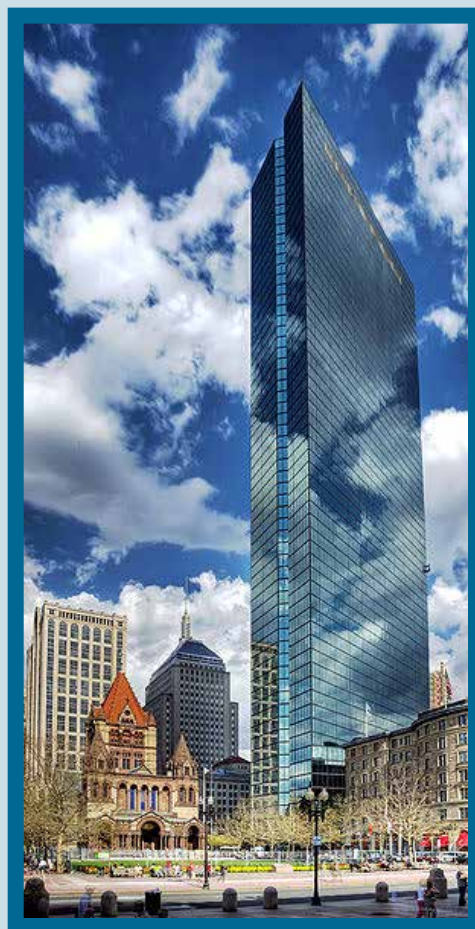




67th Annual Meeting  
**2015 EERI ANNUAL MEETING**  
March 31 - April 3, 2015 • Boston, Mass

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*OLD CITIES, NEW EARTHQUAKES*  
<http://2015am.eeri-events.org>



March 31 - April 3, 2015  
Boston Park Plaza Hotel  
Boston, Mass



Earthquake Engineering  
Research Institute

67th Annual Meeting

# 2015 EERI ANNUAL MEETING

*OLD CITIES, NEW EARTHQUAKES*

## Tuesday, March 31, 2015

7:30–5:00 pm **PRE-CONFERENCE TOURS AND WORKSHOPS**  
We encourage you to participate in an exciting lineup of tours to FM Global and the WTTTC wind blade test facility, and/or FEMA trainings on RVS and Non-structural Damage.

5:00–7:30 pm **REGISTRATION OPENS**

5:30–7:00 pm **WELCOME RECEPTION:** Join us for an informal get-acquainted icebreaker.

## Wednesday, April 1, 2015

7:00 am **REGISTRATION CONTINUES**

8:00–8:20 am **WELCOME AND OPENING STATEMENT**  
Mary Comerio, *President, EERI*

8:20–8:30 am **WELCOME FROM ORGANIZING COMMITTEE**  
Scott Civjan, *University of Massachusetts Amherst*

8:30–10:00 am **SEISMIC HAZARD IN CENTRAL AND EASTERN NORTH AMERICA**  
Far from the plate boundary, infrequent earthquakes occur in unforeseen locations, exacerbated by low attenuation and tricky site conditions. Explore the seismicity and hazard characteristics of the CEUS, and the practical issues of determining local site conditions and buried active faults from limited data.

**Moderator:**  
Harold Magistrale, *FM Global*

**Speakers:**  
John Ebel, *Boston College/Weston Observatory*  
Mark Petersen, *USGS*  
William Ellsworth, *USGS*  
Tish Tuttle, *M. Tuttle and Associates*

10:00–10:30 am **BREAK**

10:30–12:00 pm **STRATEGIC EMERGENCY MANAGEMENT OVERVIEW**  
The role of emergency management in earthquake preparedness, response, recovery and mitigation from local and international perspectives.

**Speakers:**  
Brian Collins, *FEMA Region I*  
Amy Gryzbowski, *Town of Westerly, RI*  
Dave Brunson, *Kestrel Group LTD*

12:00–2:00 pm **LUNCHEON AND EERI DISTINGUISHED LECTURE**

Robert Olshansky, *University of Illinois at Urban-Champaign*

2:00–3:30 pm **CONCURRENT SESSIONS**  
**I. PANEL: INTERESTING SITE CONDITIONS**  
Challenging site conditions encountered worldwide with specific examples from CEUS will include the influence of depth to bedrock, hard rock, glacial materials, artificial fill and soft soils materials.

**Moderator:**  
Laurie Baise, *Tufts University*

**Panelists:**  
Youssef Hashash, *University of Illinois*  
Laurie Baise, *Tufts University*  
Adrian Rodriguez, *Virginia Tech*  
Guney Olgun, *Virginia Tech*  
Sissy Nikolaou, *Mueser Rutledge Consulting Engineers*  
Aaron Bradshaw, *University of Rhode Island*

**II. STRATEGIC EMERGENCY MANAGEMENT PLANNING PROCESSES**  
Planning for earthquakes and other events through programs for evaluating and inventorying structures using FEMA (FEMA 154, ROVER, HAZUS) and the NCHRP 14-29 project specific to bridges.

**Speakers:**  
Mai Tong, *FEMA HQ*  
Ayse Hotacsu, *ATC*  
Doug Bausche, *FEMA Region 8*  
Andre Barbosa, *Oregon State University*

3:30–7:30 pm **STUDENT POSTER SESSION**

3:30–4:00 pm **BREAK**

4:00–5:15 pm **EERI—SCHOOL EARTHQUAKE SAFETY INITIATIVE**  
EERI's new initiative to improve the seismic safety of schools throughout the U.S. will be introduced with highlights of upcoming activities and ideas for how members can participate.

**Moderator:**  
Barry Welliver, *BHW Engineers*

5:15–6:30 pm **EERI COMMITTEE MEETINGS**

6:00–7:30 pm **STUDENT POSTER SESSION AND SEISMIC DESIGN COMPETITION SILENT AUCTION**

## Thursday, April 2, 2015

7:00–8:30 am **EERI COMMITTEE MEETINGS**

8:30–10:00 am **SEISMIC RESPONSE AND VULNERABILITY—NEW DESIGN**  
Concepts and new directions in the design of bridges and buildings with a discussion of expected performance and some focus on moderate seismic zones.

**Moderator:**  
Sergio Brena, *University of Massachusetts, Amherst*

**Speakers:**  
Ian Buckle, *University of Reno*  
Jerry Hajjar, *Northeastern University*

Eric Hines, *LeMessurier Consultants*  
Julio Ramirez, *Purdue University*

10:00–10:30 am BREAK

10:30–12:00 pm **PUBLIC POLICY AND IMPLICATIONS**  
The earthquake engineering community has a role and responsibility to affect public policy. Effective communication and leadership are needed to raise public awareness of existing risk, explain implications of policy decisions and become involved in the public arena.  
**Moderator:** Scott Civjan, *University of Massachusetts, Amherst*

**Speakers:**

Tao Lai, *AIR Worldwide*  
David Grandpre, *CA Pretzer Associates*  
Mehrdad Sasani, *Northeastern University*  
Bob Pekelnicky, *Degenkolb Engineers*  
Lucy Jones, *USGS*

12:00–2:00 pm **EERI AWARDS LUNCHEON AND ANNUAL BUSINESS MEETING**

2:00–3:30 pm **CONCURRENT SESSIONS**  
**I. SEISMIC RESPONSE AND VULNERABILITY—OLD STRUCTURES**

Existing structure vulnerabilities are addressed through past performance, effectiveness of retrofit and reinforcement practice, and specific analysis and forensic investigations.

**Moderator:**

Marc Veletzos, *Merrimack College*

**Speakers:**

Ken Elwood, *University of Auckland*  
Bob Pekelnicky, *Degenkolb Engineers*  
Dominic Kelly, *Simpson Gumpertz and Heger*  
Andrew O'Donnell, *AIR Worldwide*

**II. CIVIL INFRASTRUCTURE**

This session will consider the effects of earthquakes on other civil infrastructure, including pipelines, dams, power plants, and ports, particularly to liquefaction hazards. Vulnerabilities and current approaches to mitigate damage in older infrastructure will be highlighted.

3:30–7:30 pm **POSTER SESSION**

3:30–4:00 pm BREAK

4:00–5:15 pm **EERI—LEARNING FROM EARTHQUAKES**  
EERI's flagship Learning from Earthquakes program will be highlighted with a focus on lessons learned from recent earthquakes (including the 2014 Napa CA Earthquake), how



Boston Public Garden (photo: Rick Harris)



◀ Custom House Tower, Boston

Boston Backbay Brownstones ▶



USS Constitution downtown Boston ▶



# 2015 EERI ANNUAL MEETING

*Old Cities, New Earthquakes*

EERI responds to earthquakes, and ways for EERI members to participate in reconnaissance.

**Moderator:**

Ken Elwood, *University of Auckland*

**Speakers:**

Marko Schotanus, *R+C*  
Maggie Ortiz, *EERI*  
Jeff Hunt, *Exponent*  
Mike Mahoney, *FEMA*

5:30–6:30 pm EERI COMMITTEE MEETINGS

6:00–7:30 pm **POSTER RECEPTION**

7:00–8:00 pm **SUBSCRIBING MEMBERS & MAJOR DONORS RECEPTION**

## Friday, April 3, 2015

7:30–9:00 am EERI COMMITTEE MEETINGS

9:00–9:25 am **2014-2015 FEMA/EERI NEHRP GRADUATE FELLOW PRESENTATION**  
9:25–9:45 am **GRADUATE STUDENT PAPER PRESENTATION**

9:45–10:00 am BREAK

10:00–11:30 am **PANEL: INVENTORYING AND PRIORITIZING ACTIONS TO REDUCE RISK OF OLDER STRUCTURES**  
A discussion of methods of inventorying, classifying and setting priorities for addressing risk in older building stock. Distinctions between historically significant structures and other building stock as well as regional issues (Memphis, Charleston, and Boston) will be addressed through panelist expertise.

**Moderator:**

Scott Civjan, *University of Massachusetts, Amherst*

**Panelists:**

Craig Bennett, *4SE and Bennett Preservation Engineering*  
Gary Patterson, *University of Memphis*  
Ramon Gilsanz, *Gilsanz/Murray/Steficek*  
Mark Haley, *Haley and Aldrich*  
Pedro Sifre, *Simpson, Gumpertz, Hager*

11:30–12:30 pm **COMMUNITY RESILIENCE**

In the second half of 2014, several large federal initiatives on community resilience were launched. This session will explore how these initiatives will conduct research and education improve risk management and mitigation strategies, how sustainability and resiliency will be built into future infrastructure, and what EERI's role will be in this new research landscape.

**Moderator:**

Roberto Leon, *Virginia Tech*

12:30–2:30 pm **LUNCHEON AND SSA/EERI WILLIAM B. JOYNER MEMORIAL LECTURE**  
Paul Somerville, *URS*  
**UNDERGRADUATE SEISMIC DESIGN COMPETITION AWARD CEREMONY**

2:30 pm Technical Program Adjourns

2:45–5:00 pm **OPTIONAL FIELD TRIPS:** Join us for a walking tour of Boston Bridges or history tours led by the National Park Service highlighting the historic significance of the area.

2:45–6:00 pm **EERI FIELD TOOLS TRAINING:** This workshop will prepare members to engage in

## HOTEL INFORMATION

Boston Park Plaza Hotel, 50 Park Plaza at Arlington Street, Boston, Massachusetts, USA 02116, 800-225-2008

EERI has reserved rooms at the Boston Park Plaza Hotel at a rate of \$219 for a single/double or \$249 for a triple/quad (plus 14.45% tax). Visit the customized hotel reservation page and **use access code: EERI**, or call the Hotel directly at 617-426-2000/Reservations 800-225-2008. If reserving by phone, identify yourself as being with the Earthquake Engineering Research Institute group to receive the special rate.

TO RECEIVE THE SPECIAL GROUP RATE, PLEASE RESERVE YOUR ROOM BY **FEBRUARY 28, 2015.**

## Meeting Sponsor



## EERI ANNUAL MEETING REGISTRATION

(Clip and mail/fax, or register online at <http://2015am.eeri-events.org>)

Name (first to last) \_\_\_\_\_ EERI Membership ID Number \_\_\_\_\_

Business Name/Affiliation (for name tag) \_\_\_\_\_

Street Address/PO Box \_\_\_\_\_

City/State/Zip/Country \_\_\_\_\_

Daytime Telephone/Daytime Fax \_\_\_\_\_

e-mail address \_\_\_\_\_

**TOURS—I would like to attend:**

Tuesday: Tour of FMGlobal Research Facilities, 7:30am-2:30pm, and/or  
Tuesday: Tour of Wind Technology Testing Center, 3-5pm (\$10 transport fee), and/or  
Friday: Walking Tour of Boston Bridge Structures, 2:45-5pm, and/or  
Friday: Historic Walking Tour by Park Service, 2:45-5pm

**WORKSHOP/TRAININGS—I would like to attend:**

Tuesday: NETAP Training: FEMA P-154 and ROVER, 8am-3pm (\$35 facility fee), and/or  
Tuesday: NETAP Training: FEMA E-74, 3:30-5pm (\$20 facility fee), and/or  
Friday: EERI Earthquake Reconnaissance Workshop, 2:45-6pm (\$20 facility fee)

**EERI Member \$495 Student Member \$275 Retired Member \$335 Young Professional Member \$395 Non-Member \$675\*** \_\_\_\_\_

I would like vegetarian meals.

If you have any other special dietary needs please contact Juliane Lane at [juliane@eeri.org](mailto:juliane@eeri.org).

**\*NEW MEMBERS: JOIN EERI TODAY—**Full meeting registration and 2015 EERI membership:

I wish to join and attend the meeting (enclose total of \$725).

TOTAL Amount Enclosed \_\_\_\_\_ (Add \$100 after March 2, 2015)

CANCELLATIONS: If received in writing on or before March 2, 2015, refund less \$50; after March 2, 50% will be refunded. No refunds after March 20, 2015.

Make check payable to: **EERI**, and send to **Juliane Lane, 499 14th Street, Suite 220, Oakland, CA 94612-1934**. For more information, phone (510) 451-0905, fax (510) 451-5411, e-mail: [eeri@eeri.org](mailto:eeri@eeri.org).

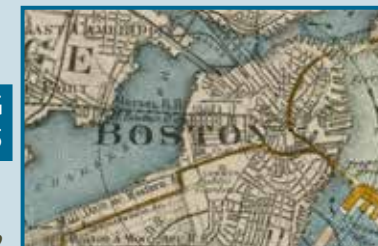
Please do not fax registration form unless you are paying with a credit card (VISA or MasterCard).

VISA/MasterCard No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Authorized Signature \_\_\_\_\_

**PDH Credits—**Certificates for PDH credits will be available after the meeting through a link on the meeting website.

**EERI ANNUAL MEETING**  
March 31 - April 3, 2015



1867 Boston Map