



PRESENTS:

**William H. Mueser and
Phillip C. Rutledge
2014 Memorial Lecture**

TOPIC:

**Turning Disaster into
Knowledge**

SPEAKER:

**Jonathan D. Bray, PhD, PE,
F.ASCE**

Faculty Chair in Earthquake
Engineering Excellence
Civil and Environmental Engineering
University of California, Berkeley

AT:

**CUNY Graduate Center Recital
Hall, New York City**
365 Fifth Avenue
(NE corner of
5th Ave and 34th Street)

WHEN:

Thursday, November 13, 2014
Refreshments: 5:30 p.m.
Lecture: 6:00 p.m.
Attendance is free

**One Professional Development
Hour (PDH) is applied for.**

For more information, contact
John R. Grillo at 201-489-1700 or
JRGrillo@HaywardBaker.com

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This memorial lecture series, started in 1991, was created to honor the memory of William H. Mueser and Phillip C. Rutledge, both of whom were recognized authorities in foundation engineering and whose knowledge and insight contributed greatly to the field of geotechnical engineering.

LECTURE SUMMARY

Documenting and sharing key lessons learned from extreme events around the world contributes significantly to advancing research and practice in hazards engineering. Detailed mapping and surveying of damaged areas provides data for well-documented case histories that often drive development of design procedures.

Field observations are particularly important in geotechnical engineering, because it is difficult to replicate in the laboratory soil deposits built by nature over thousands of years. Much of the data generated by an extreme event is perishable and must be collected within a few days of the occurrence of the event.

The speaker will share his experience with numerous reconnaissance missions after extreme events performed under his leadership in GEER (Geotechnical Extreme Events Reconnaissance) Association focusing on his hands-on involvement with the major earthquakes of Turkey, Chile, New Zealand, and this year's South Napa event in California. Highlights of the GEER mission for Hurricane Sandy in NYC will also be discussed.

The Speaker: Jonathan Bray is the Faculty Chair in Earthquake Engineering Excellence at the University of California, Berkeley. He earned engineering degrees from West Point, Stanford, and Berkeley. Dr. Bray is a registered professional civil engineer and has served as a consultant on several important engineering projects and peer review panels. With more than 250 research publications, his expertise includes seismic performance of earth structures, seismic site response, liquefaction and ground failure and its effects on structures, earthquake fault rupture propagation, and post-event reconnaissance. Dr. Bray is a Fellow in ASCE, and has received several honors, including the Peck Award, Joyner Lecture, Prakash Award, Huber Research Prize, Packard Foundation Fellowship, and NSF Presidential Young Investigator Award.

Prof. Bray is the leader of the Geotechnical Extreme Events Reconnaissance (GEER) Association. He is playing a key role in Christchurch following the 2010-11 Canterbury, New Zealand earthquakes and is extensively involved in understanding and modifying local regulations with respect to liquefaction and its effects on buildings and lifelines at Christchurch.

Upcoming Events:

- Thursday, 1/22/15- [Annual Kapp Dinner and Lecture @ Stout](#), Speaker: Paul Thurlow, Topic: *Everything Moves in Different Ways*
- Thursday, 2/26/15 – GZA Lecture @ CUNY, Topic TBD
- Thursday, 3/26/15 – RA Lecture @ CUNY, Topic TBD
- Thursday, 4/23/15 – PB Lecture @ CUNY, Topic TBD