

# EERI & DfRR of AIANY JOINT LECTURE

## Turning Disaster into Knowledge

### ABOUT THE LECTURE

Advancing hazard-resistant design demands an understanding of what happens when a disaster occurs. Documenting and sharing the 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 design procedures development.

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 few days of the occurrence of the event.

The speaker, Professor Jonathan Bray will share his experience with numerous reconnaissance missions after extreme earthquake events performed under his leadership in GEER (Geotechnical Extreme Events Reconnaissance) Association.

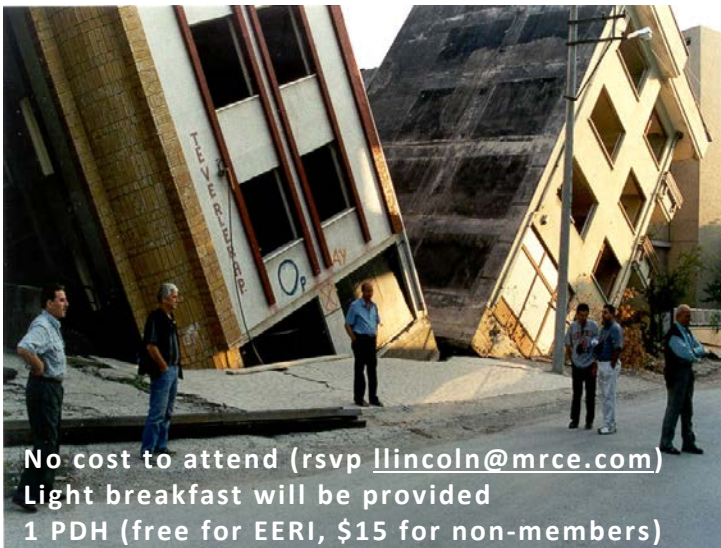
### JONATHAN BRAY

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 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 he 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 has been 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.

To register, RSVP to [lilcoln@mrce.com](mailto:lilcoln@mrce.com)



No cost to attend (rsvp [lilcoln@mrce.com](mailto:lilcoln@mrce.com))  
Light breakfast will be provided  
1 PDH (free for EERI, \$15 for non-members)



Thursday May 22<sup>nd</sup> 8–10:30 am  
Center for Architecture  
532 LaGuardia Place, Downtown NYC



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