

2015 EERI ANNUAL MEETING, BOSTON

EERI School Earthquake Safety Initiative (Plenary Session)

Thursday April 2, 2015, 4:00-5:15 PM

Short Description:

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 new members to participate.

Session Abstract:

This session will focus on EERI's School Earthquake Safety Initiative that was launched in 2014 to improve the seismic safety of schools throughout the U.S. by engaging, mobilizing, and empowering EERI members to advocate and promote mitigation of vulnerable school buildings. This session will describe the mission and goals of the new initiative while also including brief presentations from its subcommittees that are conducting activities focused on inventory, education, outreach, and advocacy. This session will also highlight how EERI members from across the nation can contribute and participate. Brief three-slide presentations from each subcommittee followed by discussion/feedback with the audience.

Moderator: Barry Welliver, Chair of SESI

EERI SESI Overview: Mission, Vision, Scope, and 2015 Actions	Barry Welliver (BHW Engineers)	10 min
Safety Screening, Inventory, and Evaluation of Schools	Barry Welliver, on behalf of Ken Goettel (Goettel and Assoc.) & Cale Ash (Degenkolb)	5 min, 3 slides
Classroom Education & Outreach at Schools	Thalia Anagnos (San Jose State University) & Lelli Van Den Einde (University of California, San Diego)	5 min, 3 slides
Code Updates and Improvements	Rob Jackson (AECOM)	5 min, 3 slides
Safety Advocacy and Messaging	Lucy Arendt (University of Wisconsin-Green Bay)	5 min, 3 slides
Tsunami Mitigation of Schools	Tom Tobin (Tobin & Associates)	5 min, 3 slides
Discussion/Q&A		remainder

Speaker Bios:

Barry Welliver

Principal Owner, BHW Engineers

Barry H. Welliver has been involved in structural engineering since 1973. In California he worked for several prominent firms before establishing his own private practice in 1979. After twenty two years of residency, he moved with his family to Utah where he presently has a practice while maintaining his California office. He has been actively involved in the Structural Engineers Associations of Northern California and Utah, the Utah Seismic Safety Commission and the Earthquake Engineering Research Institute. He is currently chair of the School Earthquake Safety Initiative committee of EERI and has been a member of several Applied Technology Council projects including FEMA 154 3rd edition updates, FEMA 420 Engineering Guidelines for Incremental Seismic Rehabilitation and FEMA/ATC-122 School Hazard Safety Guide.

Thalia Anagnos

Professor, San José State University

Thalia Anagnos has taught at San José State University since 1984 and has worked on a variety of earthquake engineering projects in the areas of seismic hazard and loss estimation. From 2009 to 2014, as Co-Leader for Education, Outreach, and Training for the George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES) Thalia helped design and deliver earthquake engineering outreach and professional development programs to a wide variety of stakeholders. She is a former EERI president and board member, and serves on the EERI Oral History and LFE Committees.

Lelli Van Den Einde

Teaching Professor, University of California, San Diego

Van Den Einde is a Teaching Professor in Structural Engineering at UCSD. She incorporates education innovations into courses (Peer Instruction, Project-based learning), prepares next generation faculty, serves as advisor to student organizations, hears cases of academic misconduct, is responsible for ABET, and is committed to fostering a supportive environment for diverse students. Her research focuses on engagement strategies for large classrooms and developing K-16 curriculum in earthquake engineering and spatial visualization. Currently, she is the Vice-President of the EERI-San Diego chapter and is spearheading an earthquake scenario effort for the San Diego and Tijuana region.

Rob Jackson

Supervising Structural Engineer, AECOM

Robert C. Jackson, PE, SECB, is a structural engineer from Denver, Colorado with over 40 years of experience in the private and public sector including structural engineering, code enforcement,

code development and project management for building projects. Rob holds a Master of Science degree in Civil Engineering from the University of Colorado. He is Co-Chair of the Colorado Earthquake Hazard Mitigation Council. A Charter Member of the ASCE Structural Engineering Institute and a Life Member of the American Society of Civil Engineers, Rob has served on the ASCE/SEI 41 Standards Committee on Seismic Rehabilitation and the BSSC Issue Team 2 for the Provisions Update for ASCE 7. He is a member of the Board of Directors of the Structural Engineers Association of Colorado and is a licensed Professional Engineer in Colorado, California and Wyoming.

Lucy Arendt

Professor, University of Wisconsin-Green Bay

Lucy Arendt, Ph.D., is the Associate Dean and Director of the Cofrin School of Business at the University of Wisconsin-Green Bay. She is also an Associate Professor of Management. She earned her Ph.D. in Management Science from the University of Wisconsin-Milwaukee and has been a fulltime faculty member since 2006. She was the recipient of the 2008 Founders Association Award for Excellence in Teaching, and the 2010 Student Nominated Teaching Award. She conducts research on individual and organizational decision making vis-à-vis disasters and on community resilience and recovery. She participated in reconnaissance research in the wake of Hurricane Katrina and the September 2010 Canterbury, New Zealand earthquake. Currently, she serves on EERI's Board of Directors, is a member of EERI's Initiatives Development Committee, and serves as the lead trainer for EERI's Housner Fellows Leadership Development Program.

Tom Tobin

Tobin & Associates

Mr. Tobin consults on natural hazards and public policy primarily for government agencies and not for profit organizations. He works with GeoHazards International bringing resources and technical knowledge to developing countries. Previously he served ten years as Executive Director of the California Seismic Safety Commission.