OREGON EMERGENCY MANAGEMENT & EERI

DATA→POLICY URM RETROFIT STRATEGIES THAT ENGAGE COMMUNITIES



AGENDA

JULY 13, 2017

SALEM, OREGON

MORNING AGENDA

9:00a Welcome and Introductions (Althea Rizzo)

9:15a Introduction to URMs in Cascadia (Cale Ash & Kent Yu)

9:30a Unreinforced Masonry Buidlings (Cale Ash & Kent Yu)
Appropriate definitions and justification for retrofit programs based on past earthquake performance

Technical aspects of the URM retrofit program:

- The standard to which URM retrofits must comply
- The size, location, and type of earthquake to be considered in developing the standard
- Building elements to be addressed
- Considerations for previously-retrofitted buildings; how to assess a building retrofitted to an earlier standard

10:30 BREAK

10:40a Case Study: San Luis Obispo, CA (Claire Clark)

Case Study: Utah (Barry Welliver)

Case Study: San Francisco (Patrick Otellini)

Case Study: Portland (Jonna Papaefthimiou)

12:00 LUNCH

AFTERNOON AGENDA

1:00p Creating a URM database and inventory procedures:

- Data collection
- Documentation
- Methodology

2:00 BREAK

2:15p Panel: Developing a Retrofit Strategy
Encouraging Mitigation Action

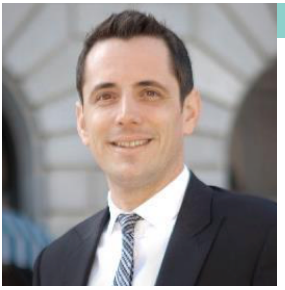
Moderator:	Althea Rizzo
Panelists:	Claire Clark Barry Welliver Patrick Otellini Jonna Papaefthimiou

2:45p URM Retrofitting
Making the Business Case for Seismic Retrofitting

Moderator:	Althea Rizzo
Panelists:	Claire Clark Barry Welliver Patrick Otellini Jonna Papaefthimiou

3:15p Wrap up & Questions

4:00 END



Patrick Otellini

Patrick Otellini is a Project Manager on the Oceanwide Center Development with Swinerton Builders. He was the 2016 award recipient for Exemplary Practice in Earthquake Risk Reduction from the Northern California Chapter of EERI for his work in developing seismic retrofit and evaluation ordinances as the Director of Earthquake Safety for the City and County of San Francisco, which was his role prior to his move to Swinerton. He has extensive experience with seismic retrofits of existing buildings and is a Certified Building Inspector with the International Code Council and a Certified Fire Protection Specialist with the National Fire Protection Association. Patrick currently lives in San Francisco with his wife and two children and remains active in San Francisco's earthquake safety efforts.



Jake Brown

Jake Brown is the Geographic Information Systems (GIS) Coordinator for City of Portland's Bureau of Development Services. Jake works with Building Design Standards subject matter experts to design mapping solutions that help solve business problems.



Kent Yu

Kent Yu, PhD, PE, SE, is the Principal of SEFT Consulting Group located in Beaverton Oregon. He has worked on projects of all construction types, including: seismic evaluation and retrofit design of existing buildings, structural design of new construction, structural condition assessment, historic preservation, peer review, and post-earthquake inspections. Much of his work has been for public/civic/government, healthcare, high-tech facilities, and critical infrastructure systems that are required to meet stringent performance levels. Kent has also traveled to Peru, China, Chile, and Japan for post-earthquake reconnaissance to study seismic and tsunami performance of buildings and lifeline infrastructure. He applies the most recent lessons learned from earthquakes and state-of-art technology to his building and lifeline projects to ensure that the buildings are safe and critical services remain protected after an earthquake. Over the past seven years, he has been an active proponent of seismic preparedness at the national, state and regional levels through his resilience planning efforts.



Cale Ash

Cale Ash is a Principal with Degenkolb Engineers in Seattle. He is a Past-President of the Cascadia Region Earthquake Workgroup and has participated in school earthquake safety initiatives in both Washington and Oregon. Cale's projects have included numerous seismic evaluation and retrofits of a variety of buildings including hospitals, schools, and URMs. He is currently working on the seismic retrofit of a three-story URM high school.



Barry Welliver

Barry Welliver has been involved in structural engineering since 1973. His interests in earthquakes lead to involvement with the Utah Seismic Safety Commission (USSC) beginning in 1996 as an observer, then delegate for the Structural Engineers Association of Utah and finally as Chair of the commission from 2002-2006. He has also served as president of the Structural Engineers Association of Utah and as president of the Utah Regional Chapter of the Earthquake Engineering Research Institute. Barry has been involved in a number of seismic renovations of existing buildings in both Utah and California, both as structural engineer of record and advocate for seismic safety. As chairman of the USSC he was instrumental in endorsing the need for the seismic retrofit of the U of U Marriott Library that helped capture significant FEMA supplemental mitigation funds for the project. He has also been a consultant for numerous Federal Emergency Management Agency projects involving technical resources for the improvement of seismic safety for existing buildings.



Jonna Papaefthimiou

Jonna is the lead for Planning and Community Resilience at the City of Portland's Bureau of Emergency Management. She coordinates citywide planning for emergency response, mitigation, and recovery, and serves as the bureau's legislative liaison. Jonna also supervises the bureau's volunteer and community outreach programs. Recent projects include the mandatory URM retrofit policy and research on barriers to greater household preparedness. A Portland native, Jonna has previously worked as a community organizer, land-use planner, and political policy advisor. She holds a Master in City Planning from MIT.



Claire Clark

Before her current semi-retirement endeavors, Claire Clark worked for the City of San Luis Obispo where her focus was compliance with the City's URM Ordinance and Economic Development. In semi-retirement, she has been the project manager for an affordable housing project through a local nonprofit that provides housing and support services for mentally ill clients and their families. This project includes one of the City's iconic unreinforced masonry buildings. Ms. Clark brings a background in real estate law and education to her work. Before relocating to the Central Coast in the early 1990s, Ms. Clark practiced as an attorney in Massachusetts focusing on complex real estate projects and regulatory compliance issues. Ms. Clark began with the City as its Seismic Coordinator in 2004. She was promoted to Economic Development Manager in 2006 where she continued her work as a liaison between the business community and the City government on all issues related to Economic Development as well as compliance with the URM program. Ms. Clark has a Bachelor's degree in English from University of Washington, and a Juris Doctor degree from University of New Hampshire. She splits her time between the San Luis Obispo area and Cape Cod where she and her husband are renovating a 200 year-old Cape house.

ORGANIZERS



Dr. Althea Rizzo

Dr. Althea Rizzo joined Oregon Office of Emergency Management in 2008 as the Geologic Hazards Program Coordinator after completing a one year National Weather Service-funded program as Tsunami Coordinator for the City of Lincoln City. She is a member of the National Tsunami Hazard Mitigation Program and currently serves as the co-chair of the Warning Subcommittee. She has successfully implemented innovative public outreach programs for natural hazards such as earthquakes and tsunamis. Some of the projects that Dr. Rizzo has developed are the collaborative earthquake comic with DarkHorse Comics, tsunami wayfinding research collaboration with the University of Oregon's Portland Urban Architecture Research Laboratory, and the Oregon Coast Visitor Tsunami Awareness program. Dr. Rizzo is a frequent instructor and lecturer on hazard mitigation, risk reduction, and outreach program design and implementation. Her happy place is giving people the knowledge to make informed decisions about natural hazards. Outside of her professional passion of making Oregon more prepared for earthquakes and other natural hazards, she is the Regional Vice-President of Operations for the non-profit group, the Society for Creative Anachronism. This educational non-profit encourages a love of history through participation in living history events. She is married with two children who are attending Oregon colleges.

EERI

The Earthquake Engineering Research Institute is a national, nonprofit, technical society of engineers, geoscientists, architects, planners, public officials, and social scientists. EERI members include researchers, practicing professionals, educators, government officials, and building code regulators. The Earthquake Engineering Research Institute's objective is to reduce earthquake risk by advancing the science and practice of earthquake engineering, improving understanding of the impact of earthquakes on the physical, social, economic, political, and cultural environment, and advocating comprehensive and realistic measures for reducing the harmful effects of earthquakes.

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FEMA

WORKSHOP EVALUATION FORM

1. What is your overall assessment of the workshop?
   (1 = insufficient -- 5 = excellent)

   1 2 3 4 5

2. Which topics or aspects of the workshop did you find most interesting or useful?

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3. Did the workshop meet your expectations?

   _____Yes _____No

   Why or why not?

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4. Will any information gained from this workshop be useful in your work? *(1 = not at all -- 5 = very useful)*

   1 2 3 4 5

(turn page)

5. In what ways could this workshop have been more effective?

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6. Comments and suggestions -- including activities or topics you think should be featured in future workshops:

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THANK YOU!

Please carefully tear this page away and leave it in the comment box or with an organizer