16th U.S.-Japan-N.Z. Workshop on the Improvement of Structural Engineering and Resiliency

Todaiji Temple Cultural Center in Nara, Japan • June 27-29, 2016

REGISTRATION INFORMATION AND PRELIMINARY PROGRAM

Purpose. This Workshop is intended to discusss and develop policy recommendations for improved community resilience based on topics related to current state-of-practice, innovative engineering solutions, and emerging resilience technologies. A special focus of the Workshop will be on post-earthquake repair and assessment of residual capacity of earthquake-damaged buildings.
The workshop is the 12th in a series started in 1984, and repeated every two years. Previous workshops have been held in Honolulu, Kona and Maui, Hawaii, Kobe and Tokyo, Japan, San Diego and San Francisco, California, and Victoria, British Columbia.

Workshop Program. The format has been expanded to include representation from New Zealand in addition to the United States and Japan. The program has been designed for practicing engineers, researchers, planners, policy makers, and other risk reduction specialists. It will include technical presentations, panel discussions, and policy-development discussions. Technical sessions are planned around resiliency based engineering, innovative design, technologies in underdeveloped countries, nonstructural elements, repair, residual strength, reconstruction and recovery.

Past Workshops in this Series. This Workshop is the 16th in a series that began in 1984 and has been repeated every two or three years. Previous workshops have been held in California (San Diego and San Francisco), Hawaii (Honolulu, Kauai, Kona, Kohala Coast, and Maui), Japan (Kobe and Tokyo), and Victoria, British Columbia.

Workshop Dates and Location.

June 27-29, 2016
Todaiji Temple Cultural Center
100, Suimoncho, Nara Prefecture, Japan
Phone: +81-742-20-5511

Abstract Submittal. Persons interested in presenting a paper in one of the program topical areas should submit an abstract of 250 words or less, to ATC, by **April 30, 2016.** Selected authors will be notified by **May 7, 2016.** Technical papers, up to 8 pages in length, are due to ATC by **May 31, 2016** for publication in the Workshop Proceedings. The official language of the Workshop is English.
Abstracts and Papers should be submitted to the Applied Technology Council, 201 Redwood Shores Parkway, Suite 240, Redwood City, California 94065 (e-mail, ATC@ATCouncil.org).

Workshop Proceedings. Papers presented at the Workshop will be published in preprints distributed at the Workshop. The results of technical discussions, findings and policy recommendations will be distributed after the Workshop.

Workshop Registration. The Workshop registration fee is US$550 ($525 for ATC Subscribers) and includes Workshop handouts, a welcome reception, two luncheons, and two dinner parties (technical tour optional). Persons interested in attending the Workshop should register on-line at www.ATCouncil.org, or submit the attached Workshop Registration Form to ATC by **May 31, 2016**. A late fee of US$50 will be imposed on registrations received after the submittal deadline.

HOTEL RESERVATIONS

Hotel Reservations. A block of guest rooms is being held at the Hotel Nikko Nara at a rate of ¥9,300 ($86) per night single occupancy and ¥15,600 ($145) per night double occupancy until May 26, 2016. For room reservations, contact the Hotel Nikko Nara directly (+81-742-35-8831) and reference ATC-JAPAN-NZ.

16TH U.S.-JAPAN-N.Z. WORKSHOP REGISTRATION FORM

NAME(S) _____
ORGANIZATION _____
ADDRESS _____
CITY/STATE/ZIP CODE _____
BUSINESS PHONE AND FAX NUMBERS _____
E-MAIL: _____

❑ Please enroll me as an ATC Subscriber ($35 per year, Individual rate) $_____
Workshop Registration Fee: $550 per registrant ($525 for ATC Subscribers) $_____
Late Registration Fee: add $50 per registrant (if received after May 31, 2016) $_____
TOTAL ENCLOSED: $_____

Payment may be made by check or credit card. If paying by credit card, please provide the following information:
Credit Card # _____ Exp: ____/____
Cardholder's Signature: _____
Checks should be made payable to ATC. Please mail your completed form with the appropriate payment, or fax it, to:
ATC, 201 Redwood Shores Pkwy, #240, Redwood City, CA 94065 (FAX 650-593-2320 / E-mail: ATC@ATCouncil.org)

PRELIMINARY PROGRAM

16TH U.S.-JAPAN-N.Z. WORKSHOP ON THE IMPROVEMENT OF STRUCTURAL ENGINEERING AND RESILIENCY

June 27-29, 2016

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100, Suimoncho, Nara Prefecture, Japan
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Monday, June 27, 2016

Session 1: Resiliency Based Engineering
9:30 am – 12:00 pm

Resilient design objectives typically focus on limiting repair costs and repair time, such that a building can more quickly resume function after an event. This session seeks papers on methods for analyzing, designing, or communicating building resiliency.

Session 2: Post-Earthquake Repair and Residual Capacity
1:30 pm – 4:00 pm

Communities must effectively and efficiently assess the residual capacity and reparability of earthquake-damaged buildings; however, this has not been a traditional focus of structural engineering research. This session seeks papers on practical experience, research, and guideline development related to the assessment of residual capacity.

Tuesday, June 28, 2016

Session 3: Risk Identification and Reduction
8:30 am – 10:20 am

Cities, states and provinces have struggled with risk identification and reduction at an affordable cost. This session seeks papers on recent risk identification programs and examples of successful ongoing programs that have identified, prioritized, and addressed major risks and their reduction.

Session 4: Engineering and Technology in Underdeveloped Countries
10:40 am – 12:30 pm

Populations in underdeveloped countries have become especially vulnerable to earthquakes due to exponential growth coupled with a lack of engineering, construction quality control, and capacity to enforce building codes. This session seeks papers describing how engineering capacity can be strengthened in such areas.

Session 5: Resiliency of Nonstructural Elements
2:00 pm – 4:00 pm

Performance of nonstructural components and systems can control usability and function. This session seeks papers on nonstructual considerations for resilience.

Wednesday, June 29, 2016

Session 6: Disaster Reconstruction and Recovery
8:30 am – 10:20 am

Five years has passed since the Great East Japan and Christchurch earthquakes. This session seeks papers discussing lessons learned from the recovery and reconstruction efforts following major disasters.

Session 7: Innovative Structural Design for Large Earthquakes
10:40 am – 12:30 pm

Achieving enhanced performance in large earthquakes requires innovative solutions. This session seeks papers on innovative design concepts and practical design examples for achieving resilience.

Session 8: Closing Session
12:30 pm – 1:00 pm

Workshop summary and wrap-up. Discussion on potential future Workshop dates, location, and agenda.

Technical Tour (TBD - optional)
2:00 pm – 5:00 pm

U.S. STEERING COMMITTEE

Kit Miyamoto, Jon Heintz, Ken Elwood Co-Chairs; Veronica Cedillos, Laura Champion, Gary Chock, Mike Cochran, Curt Haselton, Sabine Kast, Andrew Kennedy, Roberto Leon, Abbie Liel, David Mar, Ron Mayes, John Wallace, Andrew Whittaker, Peter Yanev, and Kent Yu.

Sponsored by the

Applied Technology Council

Japan Structural Consultants Assoc.

and the

New Zealand Centre of Research Excellence (QuakeCoRE)/New Zealand Society for Earthquake Engineering