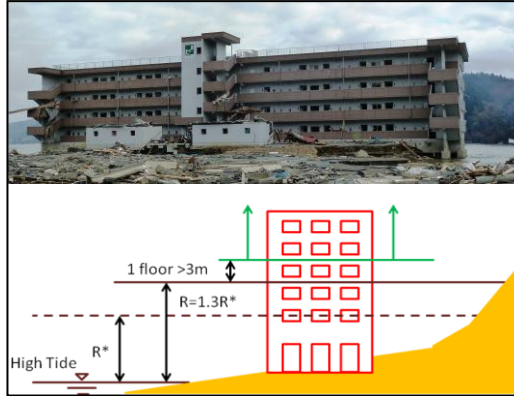


TRAINING WEBINAR ON THE FEMA P-646 REPORT: *Guidelines for Design of Structures for Vertical Evacuation from Tsunamis*

EVENT AND REGISTRATION INFORMATION

**Wednesday, July 10, 2013
12:00 – 1:30 pm PDT**

Purpose. The Purpose of the Webinar is to provide an overview of FEMA P-646 report, *Guidelines for Design of Structures for Vertical Evacuation from Tsunamis (Second Edition)*, which was developed under the ATC-64 Project and updated under the ATC-79 Project in 2012. After a brief overview of the tsunami hazard, webinar participants will be introduced to the concept of vertical evacuation from tsunamis. Examples will be illustrated from recent tsunami events. The webinar will then summarize guidance provided in FEMA P-646 on tsunami hazard assessment, vertical evacuation options, siting concepts, performance objectives, design loads, design concepts, and emergency management issues that should be considered in locating, designing, and operating vertical evacuation structures. Examples will be presented that illustrate how the criteria are used, and cost implications will be discussed.



Presenter. **Ian N. Robertson, S.E.**, is Professor of Structural Engineering at the University of Hawaii. He has 30 years of research and design experience in the performance of structures during extreme events including earthquakes, hurricanes and tsunamis. He has performed post-disaster field surveys subsequent to Hurricane Katrina (2005), and tsunamis in Samoa (2009), Chile (2010) and Japan (2011). Dr. Robertson was on the ATC-64 team that developed the first edition of FEMA P-646 (June, 2008) and recently led the ATC-79 team that developed the second edition (April, 2012). He is a member of the ASCE 7 sub-committee currently developing a chapter on Tsunami Loads and Effects for ASCE/SEI 7-16, *Minimum Design Loads for Buildings and Other Structures*.

Registration Information. The

Webinar registration fee is \$200 per computer site (\$190 for ATC Subscribers, with verification of current subscription). Additional copies of the FEMA P-646 report may be purchased through the ATC Online Store (www.ATCCouncil.org), or ordered free of charge by contacting FEMA (phone: 1-800-480-2520).

Persons interested in registering for the Webinar may do so online at the Events page of the ATC website, or by returning the completed registration form below. Registrations postmarked or submitted online after Friday, July 5, 2013 will increase by \$25.

Training Webinar Handouts. Registrants will receive a hard copy of the FEMA P-646 report and access to the electronic (pdf) copy of the training presentation in advance of the Webinar.

Intended Audience. The FEMA P-646 Webinar has been designed for building officials, emergency managers, engineers, architects, town planners, and others who may be involved in developing tsunami evacuation procedures for coastal communities.

Professional Development Hours (PDHs). Each registrant of the FEMA P-646 Webinar will receive an electronic certificate documenting 1.5 PDHs. Each additional participant sharing the registrant's computer may obtain PDH documentation for \$5 using a form ATC will provide following the webinar.

Technical Requirements. A computer with access to the internet and a phone line are required.

REGISTRATION FORM: FEMA P-646 Training Webinar • Wednesday, July 10, 2013 Noon PDT

NAME _____
 ORGANIZATION _____
 ADDRESS _____
 CITY/STATE/ZIP CODE _____
 PHONE NUMBER _____ E-MAIL: _____

FEMA P-646 Webinar Site Registration*: \$200 per site (\$190 for Subscribers)	# of sites _____	\$ _____
Please enroll me as an ATC Subscriber (\$35 per year, Individual rate)		\$ _____
*Add \$25 if registering after <u>Friday, July 5, 2013</u>	TOTAL ENCLOSED	\$ _____

Payment may be made by check or credit card (VISA, MasterCard, Discover). If paying by credit card, please provide the following information: Credit Card # _____ Exp: _____ / _____ Security Code: _____

Checks should be made payable to ATC. Please mail your completed order form with the appropriate payment, or fax it, to: ATC, 201 Redwood Shores Pkwy., Suite 240, Redwood City, California 94065 FAX 650/593-2320 bhadnagy@atccouncil.org