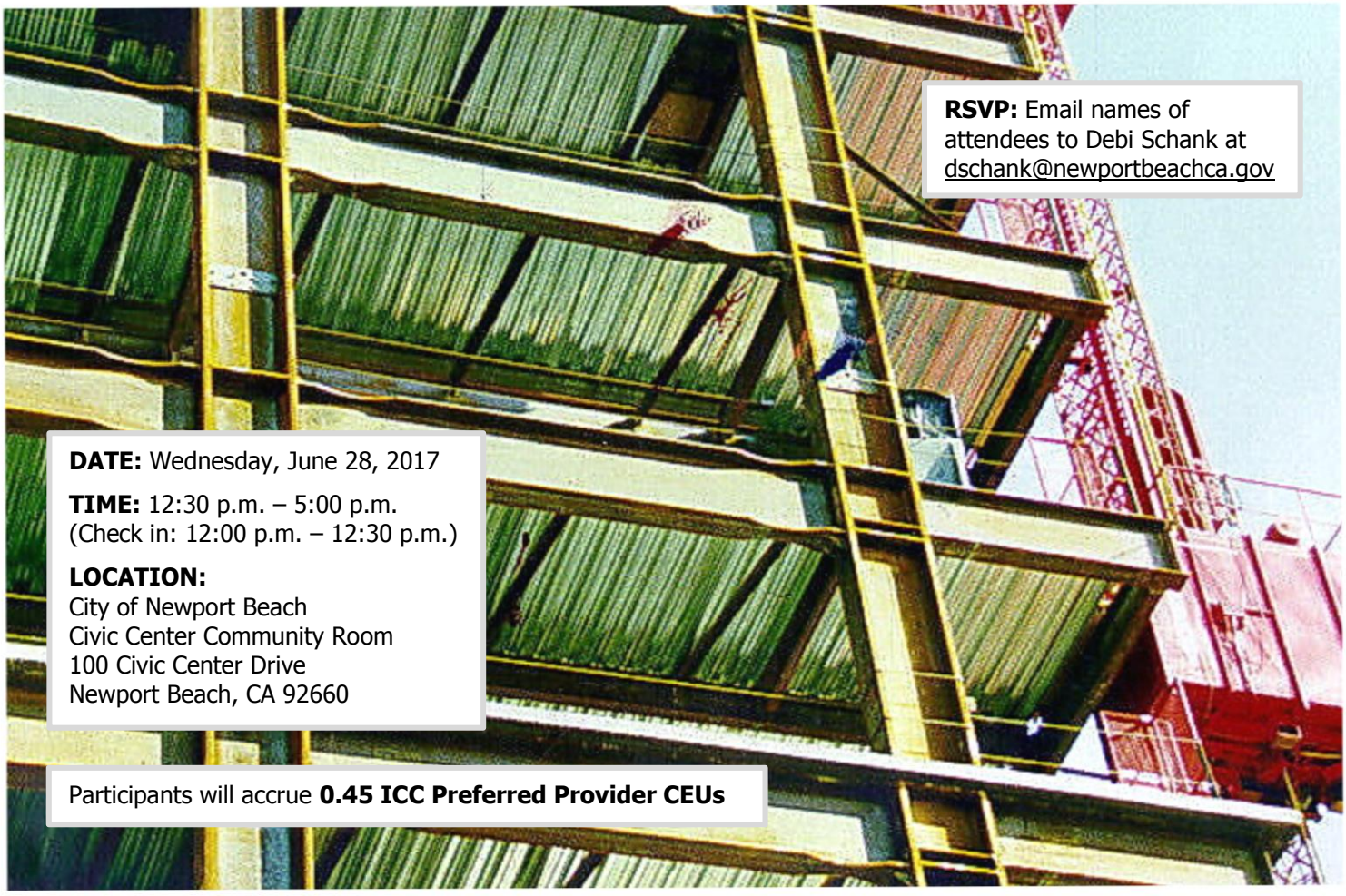
You are invited to attend a **free** seminar sponsored by the City of Newport Beach

BEHAVIOR AND DESIGN OF SEISMIC-RESISTANT STEEL MOMENT FRAMES

Instructor: Michael D. Engelhardt, Ph.D., P.E.

This seminar will discuss the behavior and design of steel moment frames for seismic resistance. The seminar will include the following topics:

- Background on the behavior of steel moment frames under earthquake loading.
- Discussion on key issues in the seismic response of steel moment frames, including beam-to-column connections, and column panel zones.
- An overview of design requirements for special, intermediate, and ordinary steel moment frames in AISC 341-16.
- A detailed description of AISC 341-16 requirements for special moment frames.
- A detailed description of the AISC prequalified connection standard, AISC 358-16.
- A detailed design example of a steel SMF beam-to-column joint.



RSVP: Email names of attendees to Debi Schank at dschank@newportbeachca.gov

DATE: Wednesday, June 28, 2017

TIME: 12:30 p.m. – 5:00 p.m.
(Check in: 12:00 p.m. – 12:30 p.m.)

LOCATION:
City of Newport Beach
Civic Center Community Room
100 Civic Center Drive
Newport Beach, CA 92660

Participants will accrue **0.45 ICC Preferred Provider CEUs**

Dr. Michael D. Engelhardt is Professor of Civil Engineering and Director of the Ferguson Structural Engineering Laboratory at the University of Texas at Austin. He received B.S. and M.S. degrees in Civil Engineering from the University of Illinois at Urbana, and a Ph.D. in Civil Engineering from the University of California, Berkeley.

Dr. Engelhardt has been on the faculty at the University of Texas at Austin since 1989. He serves as a member of AISC Task Committee 9 on Seismic Systems which is responsible for the AISC Seismic Provisions for Structural Steel Buildings (AISC 341). He also currently serves as the Chair of the AISC Connection Prequalification Review Panel which is responsible for the AISC prequalified connection standard (AISC 358). Dr. Engelhardt has received the AISC T.R. Higgins Award and the Engineering News Record Construction Industry Newsmaker Award. He is a registered Professional Engineer in Texas and California.