



Presented By:
Behzad Rafezy, Ph.D.
Director
Research & Development
SidePlate Systems, Inc.


UCI Samueli
School of Engineering

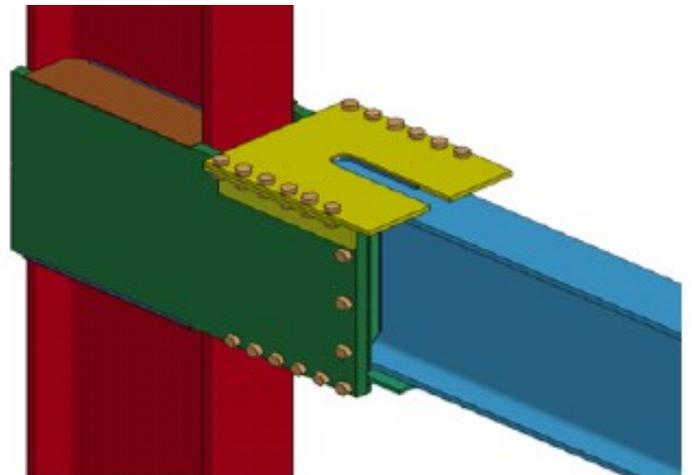
Department of
Civil and Environmental
Engineering

Civil Engineering Seminar Series

Thursday, May 25th, 2017
MDEA
4:00PM to 5:00PM

What Makes A “Special Moment Frame” Special?

The design of Special Moment Frames (SMF)—and in particular, their connections—has undergone a significant overhaul in the post-Northridge era. The presentation focuses on critical aspects of SMF systems and their connections to ensure a desired ductile behavior and dissipation of energy. Seismic design philosophy, the design provisions of AISC 341, and connection requirements for SMF systems will be discussed; and finally the results of a full scale experimental test on SMF connections with a comparison to an analytical model will be presented.



Dr Behzad Rafezy, PhD, is the director of R&D Department at SidePlate Systems, Inc. Dr Rafezy has more than 20 years of combined industrial and academic experience. He has supervised and managed research in all levels including several PhD projects and published more than 60 technical papers in Engineering Journals and conference proceedings. Dr Rafezy is the co-inventor of panel zone EEZ model published in SEAOC 2014 Convention. As a Structural Engineer, Dr Rafezy has been the lead structural engineer for the design of over one hundred high-profile structures.

Questions? - cee@uci.edu - (949) 824-7548