

San Francisco Chapter Meeting Notice: Tuesday – September 28, 2010

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Subject: Short Circuit, Device Coordination, and Arc Flash Analysis

This presentation will introduce some on the latest trends in short-circuit and device coordination and their relationship to arc flash analysis. The presentation will also cover some new concepts which are in development and may become part of future editions of the existing guidelines like IEEE 1584 and NFPA 70E. The protection schemes to be discussed include Zone Selective Interlocking and Selective Instantaneous Protection and their impact in the reduction of the incident energy exposure including simulation results for typical applications. The presentation will also cover the latest trends in arc flash analysis from IEEE 1584 and NFPA 70E 2009 including systems not covered by any guidelines like low voltage systems fed by small transformers (less than 125 kVA @ 208 VAC) and direct current arc flash calculations which may be added to the next edition of NFPA 70E 2011. The presentation will also touch on some relatively unknown special arc flash calculations for generation plants with transient short-circuit fault current contribution and special excitation protection including differential and field current discharge.

Speaker: Hugo Alberto Marroquin, P.E

Mr. Marroquin is an active contributor to IEEE 1584 and NFPA 70E committees and a member of IEEE P1814™/D1 (Draft Recommended Practice for Electrical System Design Techniques to Improve Electrical Safety). He joined Operation Technology, Inc in January 2001 as an Electrical Engineer. His current position with OTI is Principal Electrical Engineer.

Please join us in welcoming our speaker to San Francisco for what is sure to be an interesting and productive session.



Date:	Tuesday September 28, 2010
Time:	5:30 pm (Attitude Adjustment) 6:00 pm (Meeting) 7:00 pm (Dinner)
Location:	Sinbad's Restaurant Pier 2 The Embarcadero San Francisco, CA 94111 415.781.2555 (short walk from Embarcadero BART)
Cost:	\$30 (At the door). Email pre-registration qualifies the registrant for our drawing of an IEEE Color Book at dinner. Please email fsylvester@sewater.org for reservations and to qualify for the drawing.
Student Members:	\$10 (at the door) discounted cost for first 5 reserved IEEE Student Members.
Contact:	Frank Sylvester SFPUC fsylvester@sewater.org 415.554.1578