

San Francisco Chapter Meeting Notice: Tuesday – February 24, 2009

Chair:	Jack Lin 415.551.4894 jlin@sewater.org	SFPUC	Membership:	Gary Fox 925.969.3608 g.fox@IEEE.org	General Electric
Vice-Chair:	Jamie Fox 510.769.7600 jamie@engent.com	The Engineering Enterprise	Member at Large:	Ray Holstead 415.564.0810 rho1stea@pacbell.net	Electrical Engineer
Treasurer:	Finn Schenck 925.244.1900 finn@ibs-cal.com	Integrated Building Solutions	Member at Large:	Chris J. Lovin 925.454.3754 ChrisJLovin@eaton.com	Eaton Electrical
Secretary:	Frank Sylvester 415.558.4591 frank.sylvester@sfdpw.org	SF DPW BOE	Member at Large:	Sonny K. Siu 415.979.3955 sonny.siu@hp.com	HP Critical Facilities Services – eypmcf
			Our web site:	http://www.ieee.org/sf-ias	

Subject: Power System Grounding + Hybrid Resistance Grounding Systems

Speaker: Rakan El-Mahayni, Eaton Corporation

Our February speaker will discuss power system grounding. Power system grounding is considered the backbone of any electrical distribution system. IEEE standard 142 (IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems) clearly demonstrates the various power system grounding methods and their associated characteristics. This presentation will review the following subjects as they relate to IEEE standards: **Solidly and effectively grounded systems, Ungrounded and high resistance grounded systems, Field Measurements on an ungrounded system during a ground fault, Low Resistance Grounded Systems.** The presentation will also introduce the modern concept of the Hybrid High Resistance Grounding Systems HHRG and its applications as it relates to transformers, motors and generators.

Our speaker Rakan El-Mahayni is currently working with Eaton Corporation in Livermore, CA as a Team Leader for the Power System Engineering (PSE) Division in the Northwest. The PSE division provides power system studies such as short circuit, coordination, arc flash, grounding and harmonic analyses for electrical power distribution systems. In 1998, after graduating from University of Damascus, Syria from the Electrical Power Engineering Division, he joined Siemens AG as a Testing and Commissioning Engineer for the 400 KV power interconnection projects between the Middle East and Europe. In 2002 he joined Eaton Corporation as a Field Service Engineer conducting start up, testing and maintenance for medium and low voltage systems. In 2006, he graduated from California State University, Sacramento with a Masters Degree in Electrical Power Engineering.

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



Date: **Tuesday February 24, 2009**

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

Cost: **\$25 (At the door).** Email pre-registration qualifies the registrant for our drawing of an IEEE Color Book at dinner. Email frank.sylvester@sfdpw.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
SFPDW
frank.sylvester@sfdpw.org
415.558.4591