San Francisco IEEE / IAS Chapter Seminar Notice

5 Topics To Help You Avoid Disaster

Friday, March 26, Marriott Pleasanton

1) **Assuring the Reliability of Critical Power Cable Systems**
2) **Seismic Vulnerability and Building Performance for Structures and MEP Equipment**
3) **OSHPD – Certification and Seismic Qualification**
4) **Overview of IEEE Standard 142-2007, Recommended Practice for Grounding of Industrial and Commercial Power Systems (The Green Book)**
5) **High Resistance Grounding for Specific Applications**

And – ***Back by Popular Demand*** – The SF IEEE / IAS Mini Trade Show. All your favorite IEEE supporting companies will display interesting products and applications for review during lunch, breaks and after the Seminar.

The Details

1) Assuring the Reliability of Critical Power Cable Systems

Critical industries have lost hundreds of millions of dollars due to the use of ineffective commissioning test practices which do not detect defects primarily caused by workmanship issues. The speaker will review recent significant changes to testing standards. This presentation is an overview, covering the latest IEEE standards and best practices for specifying modern cable systems. We will also cover applying predictive diagnostics to shielded extruded dielectric cable systems rated 5kV and higher.

Speaker: Benjamin Lanz, BSEE, IMCORP - Power Cable Reliability Consulting & Diagnostics
Since 1997 Mr. Lanz has worked for IMCORP (www.imcorptech.com) and holds the position of Manager of Application Engineering. He is a voting member of the IEEE Power & Energy and Standards Societies. He served as Chairman of the Insulated Conductors Committee (ICC) workgroups responsible for cable testing and cable reliability. He has published several papers on cable reliability and diagnostics and regularly presents on the topics.

2) Seismic Vulnerability and Building Performance for Structures and MEP Equipment

"Mission Critical" facilities, such as utilities, critical public infrastructure, data centers, hospitals, laboratories, and manufacturing operations must remain in operation following a significant seismic event. Our Speaker will explore seismic vulnerability and building performance during earthquakes. This program will examine methods of protecting MEP equipment and surrounding infrastructure, touch on new technology options in retrofitting or new construction, and explore best practices in structural solutions for "mission critical" facilities.

Speaker: Kurt Lindorfer, Paradigm Structural Engineers:
Bay Area born and raised, Kurt's professional engineering career spans 26 years, and has taken him to over ten countries to evaluate seismic hazards and probable ground shaking. Since the firm's inception 10 years ago, Kurt has grown Paradigm by offering creative solutions and constant accessibility that keep our clients coming back for project after project. Internally, Kurt is focused on bringing in top level engineering talent to join our growing team.

3) OSHPD – Certification and Seismic Qualification

Want to learn about the latest OSHPD certification requirements? How about learning about all the details pertaining to OSHPD Seismic Qualification direct from an OSHPD Engineer? Our Speaker, Mr. Karim, will review the current OSHPD Seismic Certification and Qualification requirements.

Speaker: M. R. Karim, District Structural Engineer
Mr. Karim is Responsible for the structural part of the California Building Code development for OSHPD and manages the Special Seismic Certification Pre-approval (OSP) program. Education: Ph. D. in Engineering Mechanics from University of Arizona (1988) Registration: California Licensed Civil and Structural Engineer.

4) Overview of IEEE Standard 142-2007, Recommended Practice for Grounding of Industrial and Commercial Power Systems (The Green Book)

System grounding is the most complex topic, and the largest of the chapters in the Green Book. The speaker will offer an overview of the latest revision of the chapter on grounding. He will review the material that is most relevant to common industrial and commercial facilities. There are a number of aspects that are not universally understood. This presentation will attempt to clarify some of the common misunderstandings, presenting examples of each system.

Speaker: Robert Schuerger, P.E., Principal, HP Critical Facilities Services
Robert Schuerger is a registered Professional Engineer and has over thirty years of experience in power engineering, specializing in electrical testing and maintenance, power quality and the design, commissioning, and reliability analysis of mission critical facilities. He is a current Chair of the Los Angeles Chapter of the Industrial Applications Society, a Senior Member of the IEEE, a member of the Grounding Subcommittee and was part of the ballot committee for the latest revision of the Green Book. He was the Chapter 4 (Fundamentals) Chairman of the Working Group that revised IEEE Standard 1100-2005 Recommended Practice for Powering and Grounding Electronic Equipment (Emerald Book) and is the Chairman of PAR 3007.2 Recommended Practice for Maintenance of Industrial and Commercial Power Systems. He was also the Chapter 8 (7X24 Continuous Facilities) Chairman for IEEE Standard 493-2007 Recommended Practice for the Design of Reliable Industrial and Commercial Power Systems (Gold Book).

5) High Resistance Grounding for Specific Applications

The presenter will review the following Applications;

- Benefits of HRG vs. other grounding techniques….
- Conversion of existing systems to HRG and use of Neutral Deriving Transformer
- HRG and VFD's
- Generator grounding (Unit connected vs. paralleled units, impact on transfer switch schemes)

Speaker: Stuart Gibbon, Director, Business Development, Post Glover
A Graduate of McGill University, with a degree in Electrical Energy, Mr. Gibbon began his career as a Project Engineer in broadcast communications systems. Mr. Gibbon worked with ABB in North America and Europe in MV Power Compensation Systems. Most recently, he has enjoyed the past ten years working in the application of power resistors, including his present position with responsibility for product advancement. Mr. Gibbon is active in IEEE PCIC and ESW

WHEN and WHERE

Date: **Friday - March 26, 2010**

Time: 8:00 am Registration,
Continental Breakfast
8:30 am – 4:40 pm
Conference and Lunch

Location: Marriott Pleasanton
11950 Dublin Canyon Rd.
Pleasanton, CA 94588
925-847-6000

Cost: $250.00 Total Cost
Pre-registration required.
Please fill in attached form

Make Checks out to:
IEEE – SF / IAS

★★★★★★★★★★

Stay Current
Attend This Seminar

In the last years, Hundreds of local engineers attended the SF IEEE/ IAS Seminars

Great Networking Opportunity

★★★★★★★★★★

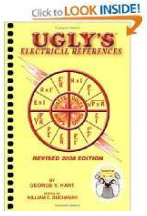
BONUS

Each attendee receives the Book

- Soares Grounding
- Ugly's Electrical References

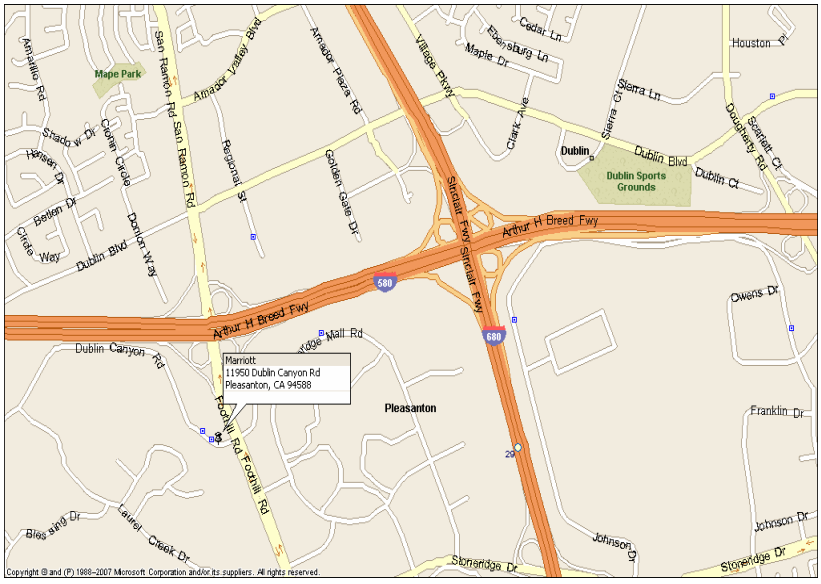
Raffle Ticket:

- We will raffle off 8 Engineering oriented books, including 2 "Green Books"



As well as:

- Speakers' presentation notes
- Valuable Contacts



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Linkedin group		IEEE Industry Applications Society.

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5 Timely Topics

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Cost: $250.00 Total Cost Pre-registration required
Please fill in attached form

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IEEE – SF / IAS

BONUS

Each attendee receives:

- The Soares Book on Grounding,
- Ugly's Electrical References

Mail Form To:

Schneider Electric
6160 Stoneridge Mall Rd. #200
Pleasanton, CA 94588

Attn: IEEE / IAS Seminar
Finn Schenck

Registration Form

Sign up multiple attendees on one form

Please print clearly

NAME Phone E-Mail

Attendee 1: _____

Attendee 2:_____

Attendee 3:_____

Attendee 4:_____

Company: _____

Address: _____

_____

Make life easy – Attach your business card(s) to this form, in lieu of filling out the above

Cost: $250.00. First Attendee.
Sign up by March 15, 2010, and additional attendees, with the same company address, receive a $25.00 discount.

(1) Attendee - $250.00
(2) Attendees - $475.00
(3) Attendees - $700.00
(4) Attendees - $925.00

MAKE CHECKS TO: IEEE - SF / IAS