



Oakland East Bay IAS invites you to attend a Technical Meeting on May 23, 2013

Title: Adapting Failure Modes and Effects Analysis (FMEA) to Select Hazard Mitigation Measures

Speaker: Marcelo E. Valdez, GE Energy Industrial Solutions

Date: Thursday, May 23, 2013

Time: No-host social at 5:30 pm; Presentation at 6:15pm; Dinner at 7:15 pm; Presentation continues at 8:00 pm; Adjourn by 9:00 pm.

Place: Zio Fraedos, 611 Gregory Lane, Pleasant Hill. Call 925-933-9091 if you need directions.

RSVP: **Please make reservations by May 20** by contacting Michael Nakamura via email: michael@mkireps.com or telephone: (925) 330-6595

Cost: The cost of dinner is \$25 for IEEE members, \$15 for student and retired members; \$30 for non-members.

Meeting Description:

FMEA is a common analytical tool used in product development, manufacturing and operations management to understand potential failure modes inclusive of the severity and likelihood of those failures. FMEA helps a practitioner identify potential failure modes based on past experience and analysis. Once potential failures are understood, design changes or practices can be put in place to optimally deal with the expected failure mode. An incident that causes injury or loss of production within any production facility can be considered a failure within that system. Current standards and engineering practices exist to identify and even quantify hazard to some extent. This talk describes an adaptation of FMEA methodology to rank multiple hazard mitigation solutions versus the effect they have on the various hazardous tasks that those solutions address. The intent is to provide an objective analytical tool to rank potential investments, or actions with respect to derived benefit in terms of overall facility hazard reduction.

About the Speaker:

Marcelo E. Valdes graduated from Cornell University in 1977 with a BS in electrical engineering. Currently he is Global Applications Leader, Product Management & Innovations for GE Industrial Solutions. He has been with GE for over 34 years, in field engineering, sales, marketing, and application engineering. Mr. Valdes is past chair of the IEEE Power and Industrial Applications Engineering chapter in San Jose, CA, and the Industrial Applications chapter in San Francisco, CA. Mr. Valdes has authored and co-authored over 20 papers for IEEE and other engineering forums, and holds 12 patents in the field of power systems protection and circuit breaker trip systems. Currently Mr. Valdes is chair of IEEE P1683, Guide for Safe Low Voltage Motor Control Centers and a member of several other IEEE standard working groups.

Upcoming Meetings - Mark your Calendars:

Thurs, June 20: Tour of Anchor Steam Brewing Co. San Francisco

IEEE- IAS/OEB Officers:

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