



IEEE

Oakland East Bay IAS invites you to attend a Technical Meeting on Thursday, January 19, 2012

Title: Power Quality: Practical, Simple, Hands-on Solutions to Intermittent Power Problems

Speaker: Alex McEachern, Power Standards Lab.

Date: Thursday, January 19, 2012

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 January 16** by contacting Michael Nakamura via email: mnakamur@ebmud.com or telephone: (510) 287-2066

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

Meeting Description:

Worldwide, we're connecting sensitive loads like computers to a grid that was designed a hundred years ago for tough old motors, lights, and heaters. So, not surprisingly, we're seeing compatibility problems. These compatibility - or power quality -- problems can be chameleon-like, blending into a background of software bugs, loose cables, and operator errors: all intermittent problems with similar symptoms. But there are straightforward practical methods for detecting power quality problems (many don't require any instruments at all), and, once they've been detected, solving them. Using hands-on examples from his worldwide consulting practice, ranging from monkeys in Malaysia to conductor coils in Lichtenstein, McEachern cheerfully demonstrates how to think about power problems, investigate them, and get them solved.

About the Speaker:

Alex McEachern is well known for his cheerful, thought-provoking speeches, and he regularly speaks at national and international conferences on electric power quality. He is the president of Power Standards Lab in California, the founder of BMI, the former president of both BMI and Electrotek, and the author of everything from the Electric Power Measurements chapter of the *Encyclopedia of Electrical and Electronics Engineering* to the industry-standard *Handbook of Power Signatures*. Active in drafting and approving international power standards, Alex is the chairman of the International Electrotechnical Commission (IEC) TC77A Working Group 9, which sets the standard for power quality instruments. He also participates in the drafting of the voltage dip immunity standards, IEC 61000-4-11 and IEC 61000-4-34. He is a Senior Member of the IEEE, former Chairman of IEEE 1159.1, a co-author of IEEE 519 and IEEE 1459, and a voting member of the IEEE Standards Coordination Committee on Power Quality.

Upcoming Meetings - Mark your Calendars:

Thurs, Feb 16: Generator Applications by Minto Halimuddin, Caterpillar Inc.
Thurs, Mar 22: Keith Gray, Power Engineering Inc.
Thurs Apr 19: TBD

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