

THE LOG PERIODIC

www.scvemc.org Santa Clara Valley Chapter of IEEE Electromagnetic Compatibility Society

IEEE SCV EMC Society Meeting: Tuesday, September 11, 2012

Officers:

Chairman:
Caroline Chan
408-742-8050
Caroline.Chan@lmco.com

Vice Chair:
Eriko Yamato
eriko@tech-dream.com

Treasurer:
Robert Pham
robert.t.pham@lmco.com

Secretary:
Len Goldschmidt
408-902-8252
lgoldsch@cisco.com

Committees:

Activities:
Hans Mellberg
408-507-9694
hans.mellberg@ieee.org

Institutions:
Eriko Yamato
eriko@tech-dream.com

Membership:
Richard Gencev
CSSEMC

Nominating:
Len Goldschmidt
408-902-8252
lgoldsch@cisco.com

Webmaster:
Joe Nghiem
josephnghiem@gmail.com

$$\nabla \times \vec{E} = - \frac{\partial \vec{B}}{\partial t}$$

$$\nabla \times \vec{H} = \frac{\partial \vec{D}}{\partial t} + \vec{J}$$

$$\nabla \cdot \vec{D} = \rho$$

$$\nabla \cdot \vec{B} = 0$$

Time:

Social 5:30 p.m. Presentation 6:30 p.m.

Place:

LeCroy Corporation
3385 Scott Blvd, Santa Clara, CA 95054

Subject:

Smart Grids, Worse Power Quality, and Conducted 2kHz-150kHz EMC:
Practical Experience Around the World

Speaker:

Alex McEachern, Power Standards Lab

Abstract:

As utilities start to implement Smart Grids around the world, utility specialists are recognizing that smart grids make power quality worse. This is good news for EMC engineers. At the same time, problems with conducted emissions in the 2kHz-150kHz range are popping up, often associated with smart meters. New standards are under way on measurement and immunity in this difficult frequency range - again, good news for EMC engineers. It's going to keep us busy!

Speaker Bio:



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. Among all his accomplishments, McEachern is proudest of the fact that companies that he has created have been responsible for over 2,400 man-years of employment. He is a reasonably inventive fellow, with 30 U.S. patents awarded so far.

Refreshments:

Dinner and Beverages for this meeting are sponsored by Haefely EMC.



<http://www.haefelyemc.com/>



IEEE

EMC
SOCIETY

**The Institute of Electrical and Electronics Engineers
Electromagnetic Compatibility (EMC) Society
Santa Clara Valley Chapter
2012 CORPORATE SPONSORSHIP
Press Kit**

Serving the Local Technical Community
with the Best Value in Corporate Sponsorship

PLATINUM LEVEL (\$1200 TAX DEDUCTIBLE CONTRIBUTION)

- Recognized on the chapter website and link to your company homepage
- Advertisement in the chapter newsletter "The Log Periodic"
- Company Logo¹ placed on the sponsor banner at monthly meetings
- Recognition as chapter sponsor at EMC Symposium/Exhibition

GOLD LEVEL (\$600 TAX DEDUCTIBLE CONTRIBUTION)

- Recognized on the chapter website² and link to your company homepage
- Advertisement in the chapter newsletter "The Log Periodic"
- Company Logo¹ placed on the sponsor banner at monthly meetings
- Recognition as chapter sponsor at EMC Symposium/Exhibition⁴

SILVER LEVEL (\$300 TAX DEDUCTIBLE CONTRIBUTION)

- Recognized on the chapter website³ and link to your company homepage
- Advertisement in the chapter newsletter "The Log Periodic"
- Company Logo¹ placed on the sponsor banner at monthly meetings

Notes:

1. Please provide logo both in web compatible JPEG and 300 dpi (.eps or .ai preferred), corporate policy on color, sizing, etc.
2. Recognition logo appears one-half the platinum level logo size on the web page
3. Recognition logo appears one-fourth the platinum level logo size on the web page
4. Symposium/exhibition may or may not be held during the one-year term of sponsorship
5. This sponsorship is intended only for financial support of the IEEE EMC Santa Clara Valley Chapter
6. The term of sponsorship is 1 year from the date your payment is received

Neither the Santa Clara Valley Chapter of the IEEE EMC Society, the IEEE EMC Society, the Santa Clara Valley IEEE Section nor the IEEE shall be held liable for any claims resulting from this sponsorship.

Order Form

- ▶ **PLATINUM LEVEL** (\$1,200) 4.5" H X 7" W advertisement and website logo
- ▶ **GOLD LEVEL** (\$600) 4.5" H X 3.5" W advertisement and website logo
- ▶ **SILVER LEVEL** (\$300) 2.25" H X 3.5" W advertisement and website logo

No product name, product claims, model numbers, promotions, shows or events. Tell us who you are, what you provide and what needs you address.

E-mail artwork in JPEG format to eriko@tech-dream.com. We can send you an invoice or you can pay online at: <http://ewh.ieee.org/r6/scv/emc/sponsors.html>

Company Name:
 Company Address:
 Contact Name:
 Contact Telephone:
 Contact E-mail Address:

more than you expect



Würth Electronics Midcom

- EMC Ferrites
- Power, LAN & Signal Transformers
- Board-to-Board Connectors
- Inductors
- Common Mode Chokes
- Wire-to-Board Connectors
- ...and more!



(800) 643-2661
www.we-online.com/midcom



TESEQ PROUDLY PRESENTS – DECADES OF LEADERSHIP IN EMC TESTING

Teseq is a global supplier of Electromagnetic Compatibility (EMC) systems and solutions. We design, deliver and sell instrumentation, systems and application software for EMC emission and immunity testing in a broad range of industries. Our cutting-edge solutions provide manufacturers with the reliable, standards-compliant test results needed to quickly bring their products to market.

Teseq Inc. New Jersey 08837 USA
T+1 732 417 0501 www.tesequsa.com



Global EMC Testing Services

- MIL-STD & DO-160, 200 V/m for RS
- In-Situ Testing and TCF Preparation
- Transmitter Testing and Certification
- Automotive EMC Testing for eMark



Bonnie Robinson
(800) 500-4362 x2236
bonnie.robinson@ckc.com
www.ckc.com

EMC, Wireless, Microwave and Acoustic Test Solutions from an Experienced Partner

Systems • Components • Integration



Enabling Your Success™
ETS-LINDGREN
An ESCO Technologies Company

www.ets-lindgren.com

HAEFELY ^{EMC} TECHNOLOGY

Telco Surge:

All waveforms
Bellcore GR-1089
FCC Part 68 / ETSI
ANSI / UL tests

CE Mark Equipment:

ESD, EFT, Surge testers
Conducted Immunity
Magnetic Fields, Dips, Sags
Damped Oscillatory testers

(408) 263-6486

info@arctechanical.com

www.haefelyemc.com

Much More Than CE Mark Testing

19620 Hale Ave
Morgan Hill, CA 95037



Map: LeCroy Corporation, 3385 Scott Blvd, Santa Clara, CA 95054

