



[June Chapter Meetings](#) - summaries

[Product Safety, Ferrites Conferences](#) in August

[Conferences in the SF Bay Area](#)

[Region Awards Nominations](#) Now Due

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Download the [June GRID.pdf](#) (1.4 MB) to learn about new developments, and refer to it during the month. And check for updated information during the month at our GRID website: www.e-grid.net/.

SCV-CNSV - 6/15: **Consultants' Network Annual Dinner: "Positive Psychology"** - Come for networking, dinner, and an entertaining speaker on psychology, success and self-help ... [\[more\]](#)

SCV-Mag - 6/15: **"It's a Small World, But I Wouldn't Want to Paint It"** - the shift to small-form-factor disk drives ... [\[more\]](#)

SCV-EMB - 6/16: **"The Artificial Synapse Chip: Towards an Electronic Prosthetic Retina"** - Progress in developing a neural interface to connect output from a digital camera to individual retinal cells ... [\[more\]](#)

SCV-SSC - 6/17: **"MicroPower Precision Floating Gate Voltage Reference"** - A new low-power voltage reference design with high accuracy is targeted at portable systems ... [\[more\]](#)

OEB-IAS - 6/17: **"Bus Protection and Current Transformer Theory"** - Current theory leads to better understanding of bus faults and bus protection methods ... [\[more\]](#)

OEB-Comm - 6/17: **"IEEE 802.11n: Multi-Antenna Techniques for High Throughput WLANs"** - focus on smart antenna architectures for 100Mbps systems ... [\[more\]](#)

SCV-CAS - 6/21: **"Signal Integrity: Design, Test and Tolerance"** - Signal integrity for nanometer technology and SoC is becoming a major challenge ... [\[more\]](#)

SCV-PSE - 6/22: **"Looking Forward, Looking Back"** - Profile of the Symposium this summer in Santa Clara and views about where we're going ... [\[more\]](#)

SCV-Rel - 6/23: **"Design and Analysis of Accelerated Reliability Tests"** - Alternatives for greatly accelerating tests and analyzing data are valuable for estimating product MTBF ... [\[more\]](#)

SCV-EMS - 6/30: **"The Dream - and Focusing to Make it Real" & "Making It - How To Go Into Business For Yourself"** - bootstrapping a new company in Silicon Valley, and making it with your own business startup ... [\[more\]](#)

SCV-LEOS - 7/6: **"Liquid Lens Technology"** - electrowetting is used to modify the shape of the interface, thus forming a variable lens with voltage control ... [\[more\]](#)

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Conferences and Workshops -- coming to the SF Bay Area

August 13-15: **IEEE Product Safety Engineering Symposium (PSES'04)** -- Santa Clara Convention Center [\[more\]](#)

Attend the first Symposium devoted solely to device and equipment product safety engineering as a discipline. Talk to and discuss problems with vendors displaying the latest Regulatory Compliance products. Attend Technical Sessions, Workshops, Tutorials and Demonstrations specifically targeted to the electrical safety engineering professional.

Key workshops and presentations:

Designing for Safety -- How to Communicate with the Engineering Team
Designing for Safety -- Heat Release Rates of Household Items
Product Safety Requirements: China, Brazil, Argentina
Medical Product Design & Medical Standards
EMC Effects on Functional Safety
CPSC: Who We Are and What We Do
Outsourcing Product Design and Manufacturing
Thermal Safety of Laptop Computers
One-day IEC Standards Workshop
Many more ...

Early-bird rates through July 1; special discount for those attending the EMC'04 immediately before PSES'04. See the one-page flyer in the [GRID.pdf](#), or visit www.e-grid.net/conf/pses.html.

August 22-27: **Ninth International Conference on Ferrites (ICF 9)** -- Cathedral Hill Hotel, San Francisco [\[more\]](#)

The conference covers all areas of basic science and technology for ferrites and related materials. Special emphasis is placed on advanced findings and emerging technologies that are expected to open new horizons for ferrites in the twenty-first century. More than 250 presentations, plus exhibits (free) and social events.

Key sessions:

- Physics and chemistry of ferrites and related materials - Crystal growth, sintering and microstructure - Thin films, multilayers, and fine particles - Raw materials and manufacturing processes - Soft magnetic materials and cores - Hard magnetic materials and magnets - Magnetic recording media, heads and systems - Magneto-optics and applications - High frequency and microwave ferrites - Bio-magnetics and medical applications - Power magnetics - Transducers and sensors - Nano-structured ferrites and related materials - Magnetic fluids & magnetorheological fluids - novel magnetic devices - Multilayer chip inductors

Early Bird Registration:

Reduced fees before July 23rd
See the one-page flyer in the [GRID.pdf](#), or visit www.e-grid.net/conf/icf.html.

See the **Conference Calendar** in the [GRID.pdf](#) for additional events.

Summary of Upcoming Bay Area Conferences

July 13-16: **IEEE Int'l Electronics Manufacturing Technology (IEMT) Symposium** San Jose Marriott - in conjunction with SEMICON/West. [\[more\]](#)

The IEEE forum for technical papers on research, development, and applications of manufacturing technology for components, assemblies, and systems. Visit www.e-grid.net/conf/iemt.html.

August 9-13: **IEEE Electromagnetic Compatibility Symposium**, Santa Clara Convention Center [\[more\]](#)

... five full days with workshops and special sessions, over 200 exhibitors of EMC-related products and services. See the two-page flyer in the [GRID.pdf](#), or visit www.e-grid.net/conf/emc.html.

August 13-15: **IEEE Product Safety Engineering Symposium (PSES'04)**, Santa Clara Convention Center [\[more\]](#)

... Technical Sessions, Workshops, Tutorials, Demonstrations, Exhibits. See the one-page flyer in the [GRID.pdf](#), or visit www.e-grid.net/conf/pses.html.

August 16-19: **IEEE Computational Systems Bioinformatics Conference** on the Stanford University campus [\[more\]](#)

... peer-reviewed papers, keynote speakers, poster presentations, tutorials and social events for bioinformatics' eclectic mix of disciplines. See the one-page flyer in the [GRID.pdf](#), or visit www.e-grid.net/conf/csb.html.

August 22-27: **International Conference on Ferrites (ICF 9)** in San Francisco [\[more\]](#)

... science and technology of ferrites and related materials, more than 250 presentation. See the one-page flyer in the [GRID.pdf](#), or visit www.e-grid.net/conf/icf.html.

Sept 1-5: **IEEE Int'l Conference on Engineering in Medicine and Biology (EMBC'04)** Westin St. Francis Hotel, SF [\[more\]](#)

... Technical Sessions, Workshops, Tutorials, Seminars, "Best Practices" roundtables, more. Visit www.e-grid.net/conf/emb.html.

IEEE REGION 6 AWARDS:

Region 6 is made up of about 12 western States. We invite you to make nominations from among our SF Bay Area Council Members for the following awards:

- Individual Achievement Award
- Community Service Award
- Small Company of the Year
- Large Company of the Year

The deadline for the Region-6 Awards Nominations is June 15, 2004. For the IEEE Region 6 Awards and Nomination Forms, please visit: http://www.ewh.ieee.org/reg/6/governance/Generic_2004_R6_Awards_NomPackage.doc.

IEEE-USA AWARDS:

Do you know an engineering individual who has been active in K-12 education? IEEE-USA is inviting nominations for the **IEEE-USA Teacher-Engineer Partnership Award** (Precollege Education Committee). The purpose is to recognize collaborative activities between K-12 teachers and technical professionals who are IEEE members. The deadline is July 31, 2004. For nomination forms and other details of the award, please visit <http://www.ieeeusa.org/awards/award11.html>.

IEEE-RAB AWARDS:

The IEEE RAB (Regional Activities Board) is inviting nominations for the following Awards:

- RAB ACHIEVEMENT AWARD
- RAB INNOVATION AWARD
- RAB LARRY K. WILSON TRANSNATIONAL AWARD
- RAB LEADERSHIP AWARD

The deadline for RAB award nominations is 15 October 2004 (but you can submit one right now!) Nominations are accepted via the web through the RAB Awards web page (<http://www.ieee.org/rabawards.html>). If you have any questions, please send an e-mail to rab-awards@ieee.org or via phone at 1 732 562 5525.

There are various other types of IEEE Awards, at the local, regional, and Societal level, and we highly encourage you to nominate one or more of our local members for them. There are many deserving talents and contributors in various fields that we must recognize and reward in an appropriate and ceremonial way. If you have any question, then please let me know.

Thanks and Regards,

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Please invite other non-Member technologists in the Bay Area to join this list, to receive notification of Chapter meetings, tutorials, workshops, conferences, and other news within the San Francisco Bay Area Council, IEEE. See <http://www.e-grid.net/>

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