



Serving the San Francisco, Oakland-East Bay, and Santa Clara Valley Sections of the IEEE For an online version of this Council announcement, with active links, visit www.e-grid.net/announcements/grid0505b.html

below: Bay Area Job Fair, Career Guidance links

Nanotech Seminar, Professional Skills classes

Wireless Congress, MEMS Pkngg, PES Energy Needs Conf

Vision, Optical Fiber, Acoustics & other conf's

Subscribe

Download the May GRID.pdf (1 MB) -- details on upcoming Chapter meetings, classes, conferences on a wide variety of topics. Stay ahead of changing professional demands; sharpen your competitive edge with up-to-date technical knowledge and through your networking activities. See our QuickRef Calendar for a more detailed listing of Chapter meetings.

Chapter Meetings for May:

SCV-AP - 5/10 | Terahertz Radiation via IC Technology - efficient alternatives for generating THz radiation using on-chip IC technology ... [more]

SCV-EMC - 5/10 | Regulatory Affairs: Update for Asia Pacific Rim - distinct cultural obstacles for Asian markets ... [more]

SCV-EDS - 5/10 | Nanoelectronics: Now or Never? - fundamental limits of transistors that modulate the flow of charge as a way to understand nanoscale transistors ... [more]

SCV-Com - 5/11 | IEEE 802.11 Wireless LAN Architecture: New Protocols and New Deployment Strategies - increasing the capacity of the network protocols to meet user demand ... [more]

SCV-CPMT - 5/11 | Shielding Packaging for High-Cost Electronics - RF and EMI shielding should be designed in up-front to provide the most advantageous designs ... [more]

SCV-MTT - 5/12 | Technologies for Overcoming Interconnect Parasitics and Reducing Costs in the 10 to 100 GHz Range - quantification of bond-wire and other interconnect parasitics ... [more]

SCV-Mag - 5/17 | Dynamics in Magnetic Micro- and Nanostructures - confined spin wave properties and the noise spectrum in sensor and MRAM applications ... [more]

SCV-EMB - 5/18 | Architecture and Application of Wireless Communication In Glucose Monitoring for People with Diabetes - a continuous, Bluetooth-based glucose monitor and its application ... [more]

SCV-IM - 5/18 | Simplify: Lossless and Lossy Data Compression for Instrumentation Signals at 10+ Msamp/sec - user-selected compression ratios up to 4:1 at rates up to 100 Msamp/sec ... [more]

C-Nano - 5/18 | Nanotech: From Promise to Reality - one-day seminar: 6 lectures and a panel ... [more]

SCV-SSC - 5/19 | Analog Circuit Design with Submicron Transistors - a methodology that is simple and intuitive, yet accurate ... [more]

OEB-IAS - 5/19 | Arc Flash Hazard Assessment and Electrical Safety in the Workplace - the analysis prior to working on any energized electrical equipment ... [more]

OEB-Comm - 5/19 | Network Visibility @ Wire-Speed for Visibility, Security and Capacity Planning - a modern standards-based network monitoring and export protocol (sFlow) ... [more]

SCV-CNSV - 5/24 | Why Advertising Doesn't Work for Consultants - insights into why many consultants don't see results from traditional advertising programs ... [more]

SCV-PACE - 5/24 | Career Transition: From Dead-End to Desirable - start with a target and a plan ... [more]

SCV-CE - 5/24 | DRM and Content Protection and Impact of Content Protection on the Home Media Ecosystem - digital rights management's ease of use vs content ownership rights ... [more]

SCV-ReI - 5/25 | Simple Plots for Monitoring Field Reliability (and other talks from the Applied Reliability Symposium) - review of outstanding presentations ... [more]

SCV-EMS - 5/25 | The Flaw of Averages and Its Cure and Image Sensors are Everywhere - Managing Explosive Growth - how new technologies can change our perspectives ... [more]

SCV-Section - 5/26 | RAMAC IEEE Milestone Dedication - plaque dedication in downtown San Jose ... [invitation]

SCV-CNSV - 6/7 | Tales of Consulting - On the Humorous Side - 5 consultants talk about consulting experiences over a Chinese banquet dinner ... [more]

SCV-CPMT - 6/8 | Reliability Issues in Lead-Free Soldering - the important issues for lead-free solder interconnection systems, including components, PCBs, and solder joints ... [more]

SCV-EMB - 6/15 | A Pendant-Geometry CT Scanner for Breast Cancer Detection: Design, Characterization and Initial Clinical Assessment - ... [more]

SCV-IM - 6/15 | Digital Verification and Design Validation Solutions - breakthroughs in semiconductor test equipment for ICs ... [more]

Do you have HTML and Web Skills?

John Westmoreland, the chair of SCV PACE, is seeking a webmaster to maintain/update the PACE web pages -- a light job, but critical to their efforts. PACE (Professional Activities Committee for Engineers) promotes development of skills, retraining, and job-search resources for our IEEE members. If you can help, please email John Westmoreland and offer your services.

Bay Area Technical Job Fair [more]

Held in South San Francisco on Tuesday, May 24

RAMAC "IEEE Milestone" Plaque Dedication

7:30 PM on Thurs, May 26th - [invitation]

Transnational MBA Program

Cal State East Bay is holding evening and weekend information sessions throughout the SF Bay Area, to familiarize engineers and managers with their 13-month accredited Transnational MBA program. The once-a-month class format is designed for busy working professionals. Download a one-sheet schedule of the May and June sessions, and decide if this program can help your own career in the new global business environment.

The Council Marketplace

Do you require someone with special skills -- DSP design, RF, reliability, project planning, communications, Windows drivers, patent consultations? ... Reference designs, PCB layout, thermal measurements, VHDL, ANSYS, Verilog? See our Council Marketplace page. Thank you for supporting our advertisers.

The Council Website and Office

The Council's "entry" website, at www.ieee-sfbac.org, is temporarily unavailable as the hosting is being changed. Please revise any links to point to our GRID web pages: www.e-grid.net. Also, the Council has closed its offices in Palo Alto. The telephone number is being transferred, and the new mailing address is PO Box 2110, Cupertino 95015

Bay Area Technical Job Fair [more]

- Tues, May 24, South San Francisco Convention Center - 255 South Airport Boulevard - Complimentary admission Meet with recruiters from both public and private-sector employers. They're expecting to hire in a wide range of fields, including: -- Engineering -- Computer Science -- Biotechnology -- Software Development -- Architecture -- Environmental Science -- Network Mgmt -- Programming -- Technical Writing Sit down with one of the on-site experts and have your resume evaluated. Visit the website or call 888-THE-JOBS for information

Now Available Online for IEEE Members:

IEEE-USA Career Planning Guide

What do you want from your career? Because your career values and goals are unique, only you can determine the course of action that will best suit your interests. IEEE-USA's new, online Career Planning Guide can help IEEE members identify and tailor solutions to their individual needs, goals and work situations. Download the Career Planning Guide now to enhance your employability; align your strengths and interests; and create a career development plan that will increase both your job satisfaction and your contributions to your organization.

For IEEE members only, go to: www.ieeeusa.org/careers/CPG/default.asp

RAMAC "IEEE Milestone" Plaque Dedication

All interested IEEE Members and guests are invited to this ceremony at 7:30 PM on

One-day IEEE Technical Seminar:

Nanotech: from Promise to Reality [more]

- Wednesday, May 18, at National Semi, Santa Clara - 8:30 AM until 7:00 PM (includes lunch, dinner) - \$65 IEEE members, \$95 non-members - Six speakers: Dr. Larry Dubois (SRI), Dr. Stanley Williams (HP Labs), Dr. Meyya Meyyappan (NASA Ames), Dr. Alex Liddle (Lawrence Berkeley Labs), and more - Panel with nanotech startup entrepreneurs For full program and registration information, see the IEEE Nanotechnology Council's website: www.ieee.org/nano

Professional Skills Courses in the SF Bay Area

Improve your On-the-Job Skills

Choose from an array of skills-development classes, from Effective Training Associates and the Engineering Management and CPMT Chapters Breakthrough Project Management [more] - June 7-8 at H-P, Cupertino Clear Business, Technical, and e-mail Writing [more] - May 18 at National Semiconductor, Santa Clara Problem-Solving Using Non-Linear Systems Thinking [more] - June 9 at H-P, Cupertino Getting Things Done Across Organizational Borders [more] - May 10 at Sybase, Dublin Presentation Skill for Engineers, Managers [more] - May 13 at Cypress Semiconductor, San Jose

Thursday, May 26th in downtown San Jose. Speakers include Cleon Anderson, President of the IEEE, Dr. Emerson Pugh, IEEE Foundation, and others. [\[invitation\]](#)

Influential Communication [\[more\]](#)

- May 17 at KLA-Tencor, San Jose
- June 15 at National Semiconductor, Santa Clara

ASME Pacific Rim Technical Conference and Exhibition

Integration and Packaging of MEMS, NEMS, and Electronic Systems [\[more\]](#)

- San Francisco Westin St. Francis Hotel

- July 17-22 (Tutorials July 17, sessions/exhibits July 18-22)

Being held for the first time in the SF Bay Area, the **InterPACK'05** Conference is an international forum for exchange of state-of-the-art knowledge in research, development, manufacturing, and application in the integration and packaging of MEMS, NEMS, and electronic systems. It covers the disciplines of microelectronics, photonics, microwave, MEMS and NEMS. Emerging knowledge, research results, new developments, and novel thermal, mechanical, electrical, and materials packaging product concepts are being presented.

Discount for registrations before June 1; review the program at www.asmeconferences.org/interpack05/

Held concurrently with the

ASME Summer Heat Transfer Conference [\[more\]](#)

A forum for the exchange of state-of-the-art knowledge in research and application of heat, mass and momentum transfer in all fields of mechanical engineering, chemical engineering, nuclear engineering and related technologies.

Visit the website: www.asmeconferences.org/HT05/

2005 6th World Wireless Congress [\[more\]](#)

- May 25-27 - Sheraton Palo Alto Hotel

- "Convergence of Broadband Wireless and Mobile"

WWC is the world's leading technical gathering on research, development and design of future wireless communications focusing on Beyond 3G and 4G technologies -- being held in the SF Bay Area this month.

Special discount for IEEE members and group registrations. Get complete information at www.e-grid.net/conf/wwc05.html or email Steve at steve@delson.org for IEEE rates.

Power Engineering Society 2005 General Meeting

Meeting the World's Energy Needs Through Innovation & Technology [\[more\]](#)

- June 12-16 - San Francisco Hilton Hotel

- Technical sessions, tutorials, tours, networking

The PES Annual Conference provides an international forum to address policy, infrastructure and workforce issues in power generation and transmission. In addition to a full technical program and 9 tutorials, there is a one-day short course on Power Systems Basics for Non-Engineering Professionals, and a Student Program.

For more information, and to register, see www.ieee.org/power

e-GRID Conference Calendar

Thanks for supporting our sponsors

The California IPv6 Task Force

California IPv6 Technology Conference [\[more\]](#)

- Tuesday, May 10, 2005

- Sacramento Convention Center

- in conjunction with the Government Technology Conference West

A unique opportunity to learn about IPv6 (Internet Protocol Version 6) readiness and to network with well known names from the field; optional intimate dinner and discussion with Internet pioneer Vinton Cerf.

For more information and on-line registration, visit www.cav6tconference.org/

The Vision Show & Conference West [\[more\]](#)

- May 17-19

- San Jose Convention Center

- Exhibits, sessions, tutorials

The **Vision Show West** is North America's leading showcase of machine vision components, systems and solutions. Held in the heart of Silicon Valley, the Show is the perfect venue for suppliers and system integrators to meet with system designers and users to share information on new products and real-world solutions.

Get complete information: www.machinevisiononline.org.

11th AIAA/CEAS 2005 AeroAcoustics Conference 23-25 May [\[more\]](#)

An international forum for scientists and engineers from industry, government, and universities to exchange knowledge and results in the fields of generation, propagation, measurement, modeling, and control of vehicle noise, as well as the effect of noise on structures and individuals.

At the Hyatt Regency Monterey. For more information: www.e-grid.net/conf/aero-aners.html

Co-located with the

AIAA/AAAF Aircraft Noise and Emissions Reduction Symposium 24-26 May [\[more\]](#)

A high-level, multidisciplinary technical symposium bringing together leading engineers, scientists, researchers, government and civil aviation officials, industry, and policy makers to discuss the topics and issues of aircraft noise and emissions reduction.

For more information: www.e-grid.net/conf/aero-aners.html

The 13th Stanford Networking Research Center/Accel Symposium

Next Generation Media Networks - The Future of Content Delivery [\[more\]](#)

Wednesday May 25, 2005, 8:30 AM - 6:00 PM

Arrillaga Alumni Center, 326 Galvez Street, Stanford University

This special Symposium will explore and highlight emerging business and technology trends and potential obstacles surrounding next-generation media networks.

\$75 early-registration discount through May 11; more information and list of presenters at snrc.stanford.edu/symposium.html

POFWorld, June 21-23, Santa Clara Convention Center

The only trade show for **Plastic Optical Fibers** that covers all aspects of the business - technology, markets and applications. [\[more\]](#)

- June 21: Tutorials - June 22-23: Conference & Exhibits

This year POFWorld features **6 half-day tutorials**: - POF Markets and Applications - Designing with POF for the Home - Automotive and Consumer Applications using the MOST Standard - Hands-on Connector Standards for Installers - Optical Sources for POF Links

Early Registration fee before May 31st; 10% IEEE Member discount. To register (and for exhibit and sponsorship information) please visit www.pofworld.com

Need consulting or outsourcing services?

Check out the [GRID Marketplace](#).

Get More from your IEEE Membership with myIEEE

The IEEE has launched **myIEEE**, a new web-based membership "portal" developed to explain the benefits of IEEE membership and to help current members get the most out of their IEEE experience. Visitors to myIEEE can find out about IEEE Societies, affinity groups, and the IEEE Standards Association, as well as IEEE publications and other benefit offerings. IEEE Members may log in to a members-only section to see personalized information, such as upcoming conferences in their fields, or use the new "Service Advisor" feature to receive recommendations for IEEE membership offerings based on their technical interest profile. Visit myIEEE at: www.ieee.org/myieee

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Technologists who are not members of IEEE are **encouraged to subscribe, at no cost, to this e-GRID Newsletter**, to find opportunities to "network" with the electrical engineering community and hear about Chapter events through our twice-monthly emails. This is a controlled list (ie, no spam) -- [get more information](#). You provide your own subscribe/unsubscribe services and can join and leave this IEEE DList when desired. To update the list, send an email message to:

listserv@listserv.ieee.org

...with the following choices in the BODY (not Subject) of the message:

to SUBSCRIBE:

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Or, to receive a text-only notification email, use the following in the BODY (not Subject) of the message:

to SUBSCRIBE:

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to UNSUBSCRIBE:

unsubscribe e-GRID-text

Maintain your current DList records at our IEEE LISTSERV website: <http://listserv.ieee.org/>

You may need to "whitelist" our email addresses in your spam filter to allow our Council news to reach you; I suggest whitelisting my email address (editor@e-grid.net), plus that of the

DLIST: e-GRID@listserv.ieee.org.

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/>

Correspondence to [Paul Wesling](#), Council Communications Director
