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below: Wireless Congress, Next-Gen Media Networks

school-age children Tech Challenge, IPv6 Technology

Machine Vision, Noise Reduction, Aeroacoustics Conf

Plastic Optical Fiber, SOP Systems, Skills Courses

Subscribe

Download the new May GRID.pdf (1 MB) -- details on upcoming Chapter meetings, classes, conferences on a wide variety of topics. The attached PDF page has coupons for exhibit admissions for local conferences [download]

Chapter Meetings for late April and May:

SCV-Rel - 4/27 | When to use HALT and when to use ALT - predicting or characterizing a wearout mechanism, with case studies ... [more]

SF-PES - 4/27 | Scientific American Frontiers: "Future Car" - PBS video presentation hosted by Alan Alda ... [more]

SCV-PSES - 4/28 | Product Liability - situations relating product safety to the topic of liability ... [more]

SVEC - 4/30 | Career Workshop: Investing in Our Career and Retraining for Our Future - half-day Saturday event ... [more]

SCV-CPMT - 5/4 | US Electronics Industry Competitiveness in View of Globalization and Changing Technologies - IC and systems packaging: competitiveness of US industry ... [more]

SCV-CS - 5/7 | Sensor Networks - The New Environment - Saturday seminar, at Stanford ... [more]

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

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-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]

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, Verilog? See our Council Marketplace page. Thank you for supporting our advertisers.

2005 6th World Wireless Congress [more]

- May 25-27 - Sheraton Palo Alto Hotel - "Converging the Broadband Wireless and Mobile"

WWC is the world's leading technical platform on research, development and design of future wireless communications focusing on Beyond 3G and 4G technologies. Held in the heart of Silicon Valley, the congress is the venue for chip and system vendors to meet with designers, users and operators to share information on new product definition, system architecture and engineering solutions. The mission this year: leadership networking, team-building, sharing information, learning what others are doing in your field. The focused subjects of WWC include Industry-driven R&D; Wireless and mobile convergence; Future wireless lifestyle for the next decade, and new wireless business models.

Keynote speakers are the senior executives of the world's most influential and leading industries. Technical sessions are composed of in-depth design and development issues on emerging OFDMA, MC-CDMA, W-LAN, WiMax, Ad-Hoc, OWA, S/T Radio transceivers as well as the converged broadband wireless platform.

Special discount for IEEE members and group registrations. Get complete information at b3g.org or email Steve at steve@delson.org

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. Questions include:

- What new types of content are emerging or possible?
- Will IP TV the next wave or will cable carry the new services?
- What the possibilities and challenges for mobile content and delivery?
- What are the protection, privacy and rights demands?
- What are the technical challenges for deploying home networks?
- Will power shift toward content owners?

This special symposium exploring Next Generation Media Networks is co-sponsored by the Stanford Networking Research Center and Accel Partners. Please join us as senior industry leaders and Stanford faculty engage in candid discussions on the Stanford campus of how innovation and demand for new digital media services (streaming video, music, ringtones, games, etc.) are forcing adaptation to new business models, technologies and network architectures.

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

The Tech Museum of Innovation Special event for school-age children

The Annual Tech Challenge [more]

Saturday April 30, 2005, 8:30 AM - 6:00 PM Parkside Hall, 180 Park Ave, San Jose (Between Market St and Almaden Blvd - take the trolley)

Judging Times: 9:30 - 11:30 AM (5/6 grade); 11:30 AM - 2:15 PM (7/8 grade); 2:15 - 4:45 PM (9/12 grade)

Come see this year's Tech Challenge -- bring your school-age children, to instill a love of inquiry and challenge in them! The event is open to the public and admission to the hall is complimentary.

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. This conference provides attendees a day of IPv6 technology knowledge transfer to assist participants with the planning and systems analysis for IPv6 deployment. In addition the conference will present use cases and models for deployment using public sector, enterprise, and consumer

The Annual Tech Challenge engages more than 900 students (grades 5-12). Teams of two to six students work over an extended period of time (3-4 months) to create a unique solution to a relevant, reality-based problem. Past ones: building devices to remove invasive non-native fish from a lake, navigating the surface of Mars, and retrieving a sample from the rainforest canopy. (Discount passes available for the Tech Museum that day.)

examples to demonstrate why, what, and how to deploy IPv6 in those network environments. 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

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 - 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

SCV Chapter, Components, Packaging & Mfg Technology:

SOP vs SiP, vs SOC: Technology Directions for Systems

Implementation -- Emerging and Disruptive IC Packaging Technologies for the Next Decade [\[more\]](#)

- 7 Speakers from Georgia Tech's Packaging Research Center
- Date: Wednesday, May 4, 8 AM - 5 PM
- Location: Ramada Inn, Sunnyvale
- Cost: only \$95 for IEEE Members (thru April 29)
- Web: www.cpmt.org/scv/

IEEE Computer Society, SCV Chapter, and the North America Taiwanese Engineers' Association

SENSOR NETWORKS - The New Environment

- 7th IEEE/NATEA Annual Conference
- Place: Braun Auditorium, Stanford University
- Date: Saturday, May 7th

This one-day conference focuses on emerging Sensor Networks technologies. Sensor Networks move computing from being a distinct entity within an environment to becoming a seamless part of the environment.

More information, and to register on-line: www.natea.org/NFIC

Professional Skills Courses in the SF Bay Area

Choose from an array of skills-development classes, from Effective Training Associates and the Engineering Management and CPMT Chapters

Breakthrough Project Management [\[more\]](#)

- May 4-5 at LSI Logic, Milpitas
- June 7-8 at H-P, Cupertino

Clear Business, Technical, and e-mail Writing [\[more\]](#)

- May 5 at Cypress Semiconductor, San Jose
- 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

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

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

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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/>

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