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below: Chapter Meetings for Feb, March

Wescon Previews, High-speed Design class

MRS Spring Meeting, SSR'05 Symposium

Embedded Systems Conf. and Quality Design Symp.

Subscribe

Download the February GRID.pdf (525 kB) -- details on upcoming Chapter meetings on a wide variety of topics, and for many conferences and classes. Select one of the Chapter meetings to learn about new developments and to network with fellow professionals -- choose a course or conference to master new skills. Check for updated information during the month at our GRID website: www.e-grid.net/

Chapter Meetings for February:

SCV-Mag - 2/15 | Spin Torque, and Nanorings - description of two new topics in magnetic nanostructures from inception to realization to potential applications ... [more]

SCV-NANO - 2/15 | Nanoimprint Lithography and Applications at Hewlett Packard Labs - overview of high-resolution, low cost and high throughput methods for molecular memory, logic circuits, biological sensors ... [more]

SCV-EMB - 2/16 | On-demand Technology Development for Medical Imaging Clinical Trials - typical challenges commonly encountered in developing technology for managing imaging-based clinical trials on a global scale ... [more]

SCV-SSC - 2/17 | SiGe Heterojunction Bipolar Technology and Applications - HBT's can be easily integrated into a standard CMOS flow for full-fledged manufacturing ... [more]

OEB-IAS - 2/17 | Short Circuit and Coordination Analysis Studies - helpful guidelines and advice on producing and then analyzing the computed and graphical results ... [more]

OEB-Com - 2/17 | Broadband Electromagnetic Interference Shielding for New Communication Products - methods and products solve these problems while at the same time complying with new mandated regulations ... [more]

SCV-CNSV - 2/22 | High Tech Recovery! Is it going to be as good as it has been? - new data on the Silicon Valley, state and US high-tech industry, for self-employed and independent consultants ... [more]

SCV-PACE - 2/22 | The Realities and Myths of Engineer Retraining - industry and education panel with views relevant to working engineers ... [more]

SCV-PSES - 2/22 | Effective Environmental Stress Screening, and Lab Tour - how to effectively apply ESS to your products, and tour of Quanta Labs ... [more]

SCV-CE - 2/22 | Panel Discussion on Audio-Video (AV) Networking - a clarification of which AV Networking standards to use in the Digital Home ... [more]

SCV-ReI - 2/23 | Best of RAMS - panel discussion of selected papers from the 2005 Reliability and Maintainability Symposium in January ... [more]

SCV-CPMT - 2/24 | High Frequency Fullwave Simulation of Packages ... [more]

SCV-MBS - 2/26 | Radiofest: Public Service Event for Demonstrating Science and Technology for the Public Welfare - free event includes many 1-hour talks, plus demonstrations of radio modes, and a vendor flea market ... [more]

Chapter Meetings for March:

SCV CAS+SSC - 3/3 | Sigma-Delta A/D Converter Design ... [more]

SIP - 3/4 | Is there life on Mars? - The story behind the landings and findings of the Mars Exploration Rovers -- Spirit and Opportunity ... [more]

SCV-Comm - 3/9 | Wireless Facts and Fiction - sorting out WiFi, WiMax, Mesh Networks, Smart Antennas, OFDM, UWB, CDMA ... [more]

SCV-MTT - 3/10 | Millimeter Wave Technology and Applications - generating, measuring, calibrating and verifying vector and scalar signals at millimeter wave frequencies ... [more]

SCV-CPMT - 3/16 | New, Ultrahigh Thermal Conductivity Materials - improved thermal performance and reliability, simplified thermal design, elimination of fans and heat pipes, weight savings ... [more]

Engineers Week Banquet

- Wed. Feb. 23, Westin Hotel, Santa Clara - 5:30 PM - 9:15 PM - Honoring SVEC Hall of Fame Inductees Doug Engelbart, Ken Levy, T.J. Rogers, others - Awarding of scholarships; Discover-E presentation

- Come join the celebration -- bring a team! See Registration Form for more details Organized by Silicon Valley Engineering Council

SCV-EMB - 3/16 | Gastric Electrical Stimulation - the history of gastric electrical stimulation is discussed, focusing on recent progress in the treatment of obesity ... [more]

SCV-CNSV - 3/22 | Role of Computer Tomography in Molecular Imaging - this technique will become the future of medical imaging, especially in gene therapy ... [more]

SCV-ReI - 3/23 | How Cosmic Rays Cause Computer Downtime - more users and designers most now contend with soft error possibilities in their designs ... [more]

The Council Marketplace

Do you require someone with special skills -- RF, reliability, project planning, communications, design, patent consultations? ... PCB layout, thermal measurements, SCSI, SANs? See our Council Marketplace page. Thank you for supporting our advertisers.

April 12-14, Santa Clara Convention Center

Theme: D2M -- from Design to Manufacture

WESCON Previews

Design Integration Showcase

IEEE Wescon and the Silicon Integration Initiative (SI²) will have a special pavilion showcasing EDA IC design-for-manufacturability technology within the Design Automation Theater at the Convention Center.

Training/Learning Opportunities (all at the Santa Clara Convention Center):

Wednesday, April 13, 8:00 AM - Noon

Designs for the High-Speed, Broadband Information Age

(see more, at right)

Wednesday, April 13, 1:00 - 5:00 PM

Packaging and Test Technology for RFID

Three Tutorials on control systems technology:

Wednesday, April 13, 8:30 - 11:00 AM

Motor Control Fundamentals

Wednesday, April 13, 11:30 AM - 2:00 PM

Understanding Robotic System Control

Wednesday, April 13, 2:30 - 5:00 PM

Control System Design: A Refresher

More details in the February 26th e-GRID, and on the Wescon website!

Microwave Theory & Techniques Chapter, SCV

Designs for the High-Speed, Broadband Information Age [more]

8:00 AM - Noon, Wednesday April 13, 2005

- In conjunction with IEEE WESCON'05

Four Presentations: 100GHz CMOS Circuits and the High Speed Broadband Information Age (Dr. Luiz Franca-Neto, Intel) - SiGe and RFCMOS Technology for the High Speed Information Age (Dr. Ben Yuan, IBM) - InP HBT Design for 100 to 200GHz ICs (Dr. Zachary Griffiths, UC Santa Barbara) - SiC and GaN Based Transistor and Circuit Advances (Simon Wood, Cree Microwave)

Register by April 9th to get discount rate (\$50 for Members)

Download the Advance Program and registration form

New Senior Members [more]

We salute the following SF Bay Area IEEE Members who were elevated to Senior Member during January. Each is shown with the technical affiliation.

Burnell G. West (CAS, CS, ED, SSC) - Arnon Amir (UFFC, CS) - Rajit Chandra (CAS) - Antonio Nucci - Ronald W. Dennison (Mag) - Minoru Etoh (Comm, CS, SP) - Joseph Fjelstad (CPMT, SIT) - Neil G. Jacobson (CS) - Mark G. Johnson (ED, SSC) - Francis Rotella (ED, MTT, SSC) - Shou-Jong Sheih - Anil Ubale (SP) - Dooseok Kim (Comm) - Vahid Madani (PE)

Congratulations!

2005 Materials Research Society Spring Meeting & Exhibit [more]

- 28 March - 1 April 2005

IEEE/CPMT/EMS Short Courses

Professional Skills Development and Management

- Moscone Convention Center (West), San Francisco

The **MRS Exhibit** features international exhibitors from all sectors of the materials science and engineering communities. Visit the exhibit to learn more about the latest techniques and advances in the swiftly evolving world of materials research directly from the manufacturers, suppliers and developers. **Admission to the exhibit only is free of charge.**

35 Symposia tracks with technical sessions highlight advances in the synthesis, characterization, simulation, and application of materials, from understanding materials fundamentals to fabrication of devices using electronic and electro-optic materials, nanostructured and molecular materials, and biological and hybrid materials. There are 12 Tutorials (no extra charge for attendees).

Register by **March 11th** to get the \$100 discount.
Review the **Advance Program and registration form**.
Be an exhibitor at the MRS Spring Meeting - contact **Mary Kaufold**

Take BART or Muni to the Powell Street Station

IEEE Systems, Man, and Cybernetics Society

International Symposium on Systems and Human Science - Safety, Security, Reliability (SSR'05) [\[more\]](#)

- March 9-11, 2005
- Milbrae (SF International Airport Westin Hotel)
"Engineered Complex Systems in the 21st Century"

For Symposium and registration information, please [access the SSR2005 website](#) and also the [Registration and Tour Application Form](#)

Classes [\[more\]](#)

Enjoy lifetime employability; stay ahead of changing professional demands; sharpen your competitive edge with up-to-date skills.

Clear Business & Technical Writing

Tuesday, Feb. 15, 8:30AM-4:30PM

Presentation Skills For Engineers

Friday, Feb. 18, 8:30AM-4:30PM

new! "Writing Effective E-mail Messages"

Thursday, Feb. 24, 8:30AM-4:30PM

new! Communication & Conflict Management using Myers-Briggs (MBTI)

Tuesday, March 8, 8:30AM-4:30PM

Getting Things Done Across Organizational Borders

Thursday, March 24, 8:30AM-4:30PM

[Full course descriptions and registration details.](#)

The Largest System Design Event in North America

EMBEDDED SYSTEMS CONFERENCE [\[more\]](#)

- March 6 - 10, 2005
- Moscone Convention Center, SF

The Embedded Systems Conference offers an exciting line-up of special events. All are no-cost to registered attendees and range from keynote addresses and networking opportunities, to receptions and panel discussions, all designed to enrich your event experience.

Sunday and Monday full-day tutorials: - User Interface Design - Embedded Linux Jumpstart - Embedded C Programming - Real-Time UML - Real-Time Kernels - Managing Embedded Projects - Embedded GNU Jumpstart - TCP/IP Networking and 7 more, plus **132 three-hour and 90-minute Technical Classes** on Tuesday through Friday

Flexible Registration Packages: - 1-day, 2-day, 3-day, full 5-day, or the ePass value
- No-cost Exhibits Pass (includes Keynotes and Panels)

Register by **March 3rd** for discount rates.
[Get complete information.](#)
Ride BART or MUNI to the Powell Street station

"Design for Quality in the Era of Uncertainty"

International Symposium on Quality Electronic Design [\[more\]](#)

- Sponsors: EDS - CAS - CPMT - SigDA
- March 21-23, 2005
- Double Tree Hotel, San Jose

ISQED is the pioneer and leading conference dealing with CAD and design for manufacturability and quality issues, front to back.

TUTORIALS (all day Monday): - Design of sub-90nm CMOS Circuits and Design Methodologies - Package-Chip Co-Design

Technical Sessions: - Leakage and Dynamic Power Issues - Test Application and Cost Reduction - Performance and Reliability Analysis for Yield Optimization - Functional Verification and Test Generation - DFM for Circuit Design - Analog Test and BIST-Variability Issues in Nanoscale Circuits - Advances in Floor Planning - Robust Design under Parameter Variations (and more)

Register by **March 14th** for discount rates.
[Get complete information.](#)

SUBSCRIBE yourself to this IEEE Council e-GRID DList

IEEE Members in the San Francisco Bay Area automatically receive this Announcement at their IEEE "email address of record." Members may unsubscribe from (or re-subscribe to) this mailing list at www.ieee.org/ra/e-notice/sfbac-notice.html; be sure to include your IEEE member number. Members wishing to **also** subscribe an alternate email address (eg, Hotmail, or at work), or who live outside the Bay Area, may follow the instructions below.

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:

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

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

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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, 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](mailto:Paul.Wesling@ieee.org), Council Communications Director