



below: [CFPs: RF IC, m-Commerce & Wireless, Information Display, Custom Computing Conferences](#)

[Unicode Conference; Storage Visions, "Great Minds" at CES](#)

[New Faculty/Research positions at UC-Santa Cruz](#)

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Download the **new December GRID.pdf** (800 kB) -- details on upcoming Chapter meetings, classes, and conferences on a wide variety of topics. Select one of the Chapter events to learn about new developments and to network with fellow professionals -- choose a meeting, course or conference to master new skills. See our [QuickRef Calendar](#) for a more detailed listing of Chapter meetings.

Chapter Meetings for December:

SCV-CE - 11/29 | **Distributed HD IPTV and Audio over Powerline** - no new wires and it works throughout the whole house ... [\[more\]](#)

SCV-LEOS - 12/6 | **Put Some "Spark" in Your Holidays** - fascinating history of radio and electronics told via live working demonstrations ... [\[more\]](#)

SCV-IM - 12/7 | **Test and Measurement for ISO Compliance and Certification** - metrology terminology, issues and techniques for ISO 9000 and ISO 13485 ... [\[more\]](#)

SCV-EMS - 12/7 | **Building and Managing High-Performance Teams in a Large Company; and Power of the Dual-Vee Systems-Development Model** - foundations for high-performance teams, and the dual-vee for software development ... [\[more\]](#)

SCV-MTT - 12/8 | **Future Directions in Space Qualified LNA's** - requirements, applications, payload architectures, and satellite performance parameters ... [\[more\]](#)

OEB-Comm - 12/8 | **Trusted Computing and Applications to Communications** - the aims, and technology standards being developed by the Trusted Computing Group ... [\[more\]](#)

SCV-EDS - 12/13 | **LEDs for Solid State Lighting and Other Emerging Applications: Status, Trends and Challenges** - LED technology, current applications, and trends ... [\[more\]](#)

SCV-AP - 12/13 | **Radiation of Impulse-Like Waveforms With Illustrative Applications** - radiated electric field spectrum fairly flat over two decades of frequencies ... [\[more\]](#)

SCV-CNSV - 12/13 | **Taxes ... What the Rich Do Differently** - legal strategies that may apply to you ... [\[more\]](#)

SCV-Comm - 12/14 | **802.16e: A Mobile Broadband Wireless Standard** - techniques for high speed mobility using various subchannelization schemes ... [\[more\]](#)

SCV-CPMT- 12/14 | **The Future of Printed Circuit Boards** - being replaced by silicon chips communicating through LEDs or radio beams ... [\[more\]](#)

SF-OEB-SCV- | **Happy Holidays!** - get ready for more networking and learning opportunities during 2006!

SCV-CPMT&LEOS - 1/11 | **Enabling Technologies for Board-Level Optical Interconnects** - integrated polymer waveguides, waveguiding elements, 3D optical wiring schemes ... [\[more\]](#)

SCV-CPMT - 1/17 | **Semiconductor Equipment and Materials Outlook** - market forces affecting packaging, assembly, shipments, with predictions ... [\[more\]](#)

SCV-Mag - 1/17 | **Beyond the Limits of Magnetic Recording: an Itinerant Magnetician Looks at Hysterical Loops** - will we reach the ultimate limit of areal density? ... [\[more\]](#)

SF-PES - 1/18 | **Broadband over Power Lines - FCC Emissions Compliance Guidelines** - high-speed internet access with fixes for interference problems ... [\[more\]](#)

Note to All IEEE Members

The Council Marketplace

Do you require someone with special skills -- DSP design, RF, reliability, test design, project planning, chip design, 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.

RFIC-2006 Call for Papers

IEEE Radio Frequency Integrated Circuits Symposium [\[more\]](#)

- Paper Summary Deadline: **January 2, 2006**
- Location & Dates: San Francisco, June 11-13, 2006

Papers are solicited in these areas:

- Cellular System ICs and Architectures (GSM, EDGE, TDMA, CDMA, 3G, WCDMA, GPS) - Wireless Data System ICs and Architectures (LAN, Bluetooth, 802.1x, Telemetry, RFID) - Wide Band Communication System ICs and Architectures (UWB, MMDS, CATV, TV Tuners) - Optical System ICs and Architectures (OC-48, OC-192, OC-768, Gigabit Transceivers) - Small-Signal Circuits (LNAs, Mixers, VGAs, Active Filters, Modulators) - Large-Signal Circuits (Power Amplifiers, Drivers, Advanced TX circuits) - Frequency Generation Circuits (VCOs, PLLs, Synthesizers) - RFIC & Device Technology (IC Technologies, Packaging, Modules, RF Test and Characterization) - RFIC Modeling and CAD (Device and behavioral modeling, Design Methodology)

For the latest information, including complete Call for Papers, download the [one-page GRID announcement](#) or visit www.rfic2006.org

WMCS'2006 Call for Papers

IEEE International Workshop on Mobile Commerce and Wireless Services [\[more\]](#)

- Paper Summary Deadline: **February 1, 2006**
- Location & Dates: San Francisco, June 26, 2006

WMCS'06 is the forum for discussing innovative ideas in creating cutting-edge mobile commerce systems and wireless information services, and for exchanging information regarding advancements in practice of mobile commerce and wireless services. **Papers are solicited** in these areas:

- M-commerce business models - Context-aware and location-based M-commerce - Mobile business strategies - Mobile portal market - Creating new market spaces for m-commerce - Lessons learned from existing m-commerce applications - Wireless service-oriented architecture - Agents in M-commerce - Mobile Workflow management - Security and privacy in M-commerce and services - Semantic web for M-commerce

For the latest information, including complete Call for Papers, visit www.wmcs2006.org

SID 2006 Call for Papers

Society for Information Display International Symposium, Seminar, & Exhibition [\[more\]](#)

- Paper Summary Deadline: **December 1, 2005**
- Location & Dates: San Francisco, June 11-13, 2006

SID '06 will have 250+ exhibitors and 7,500+ attendees - display scientists, engineers, manufacturers, entrepreneurs, marketers and end-users with original papers on all aspects of research, engineering, application, evaluation, and utilization of displays.

Papers are solicited in the following areas:

- Active-Matrix Devices - Display Applications (consumer, industrial, commercial, military) - Applied Vision/Human Factors - Display Electronics - Display Manufacturing - Display Measurement - Display Systems - Emissive Displays - FEDs and CRTs - Organic Light Emitting Diodes - Projection Displays - Liquid-Crystal and Other Non-Emissive Displays

For the latest information, including complete Call for Papers, download the [one-page GRID announcement](#) or visit www.sid2006.org

Call for Papers -- IEEE Computer Society

Symposium on Field-Programmable Custom Computing Machines [\[more\]](#)

- April 24-26 2006
- Napa Valley Marriott
- **Abstracts Due January 13**

FCCM is a forum for presenting new research on reconfigurable computing -- the use of field-programmable technologies for high performance and/or low energy computation. Submissions are solicited on a wide variety of topics related to custom computing, including but not limited to:

- Architecture of reconfigurable computing devices and systems, including coprocessors, attached processors, and hybrid architectures
- Languages, compilation techniques, tools, and environments for programming and run-time support of custom computing machines
- Applications of reconfigurable computing, including the use of reprogrammable logic in scientific computation, mobile communications, medical image processing, data and communication security, network infrastructure and other embedded systems
- Implications and effects of nanotechnology and reconfigurable computing on each other
- Possible forms and system implications of reconfiguration for fault tolerance and avoidance
- Novel use of reconfigurability, including evolvable hardware and adaptive computing

Please download the full [Call for Papers](#) and add the FCCM dates to your calendar.

Object Management Group:

Internationalization and Unicode Conference [\[more\]](#)

- March 6-8, 2006
- Hyatt Regency Hotel, Burlingame (SF Airport)
- Tutorials in three tracks: Monday, March 6
- Sessions in three tracks: Tuesday-Wednesday, March 7-8

Unicode experts, implementers, clients and vendors are invited to attend this unique conference on the Unicode Standard and internationalization. Exchange ideas with leading experts, find out about the needs of potential clients, or get information about new and existing Unicode-enabled products.

Conference topics: - Unicode 5.0 & ISO/IEC 10646 - Text and data mining - Security and phishing - Enterprise software in a global environment - Language tags and locales: implications for developers - Global development best practices - Internationalized Domain Names/Resource Identifiers - Microsoft Office 12 and Windows Vista - Globalizing your product: business cases and technical issues - Unicode for Complex Scripts (Arabic, Tamil)

Early-bird registration rates through February 1 - multi-attendee discounts. For more information and to register: www.unicodeconference.org/ieec

Need consulting or outsourcing services?

Check out the [GRID Marketplace](#).

Int'l Consumer Electronics Show:

The 2006 Storage Visions Conference [\[more\]](#)

- January 6 & 7, 2006
- Las Vegas Convention Center
- Concurrent with the Consumer Electronics Show
- Admission to the CES Exhibits

Hear the latest on digital content technology from industry leaders -- those who matter in the entertainment value chain -- and find out how current and coming trends can benefit your company, from the experts at Turner Broadcast, Seachange, Microsoft, Scientific Atlanta, Seagate, Maxtor, GS Magic, Samsung Semiconductor, M-Systems, Agere Systems, Marvell, ST Microelectronics, HP, Atmel, Sonic Solutions, Silicon Image, Toshiba, and many others.

Sessions: - Storage and Content Creation, Editing and Distribution - Home Network Storage - Integration of Storage in CE Devices - Mobile CE Storage Products - Optical Storage - Storage and CE Analyst Session - Financial Analyst and VC Session

For complete information, please see the **Storage Visions 2006** website: www.storagevisions.com -- or call Kathleen locally at 408-871-8808, to register for the Conference and CES Show Exhibits.

Also at the CES in Las Vegas, from *EE TIMES* & *CMP*:

Great Minds, Great Ideas: the People, the Products, and the Technologies

That Will Change Our World [\[more\]](#)

- **January 5, 2006** at the Sands Hotel, Las Vegas
- Concurrent with the Consumer Electronics Show
- no-cost event
- 9:00 AM: Disruptive Innovation 10:30 AM: Game Theory 1:00 PM: New Frontiers 2:30 PM: Innovation Generation 4:00 PM: Digital Media
- More details on the [Consumer Electronics Show](#) website

Faculty Positions: UC-Santa Cruz Computer Engineering Dept

Assistant and Associate Professor Positions

- Assistant Professor with research interests in the area of **Assistive Technology** including sensory augmentation, human-machine interface, wearable computers, prosthetic devices, and technology for the elderly and the disabled.

- Associate Professor in **Computer System Design**, including VLSI design, FPGA design, VLSI CAD, system-on-a-chip design, and related areas.

The UC-Santa Cruz campus is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching, and service. Submit CV and other details by Jan. 2, 2006. For a fuller description, please see the descriptions in [this month's GRID.pdf](#). Electronic applications are preferred: www.soe.ucsc.edu/jobs/faculty/apply

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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