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[Upcoming Chapter Meetings](#) - summaries

[Project Mgmt, Presentation Skills, Reliability](#) courses

[What Color is YOUR Parachute?](#)
- meeting about job searches

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Download the new November GRID.pdf (900 kB) Enhance your career potential by networking with other professionals at one of our Chapter meetings. Remember: it's often "who you know" that makes the difference.
Check for updated information during the month at our **GRID** website: www.e-grid.net/

Chapter Meetings for November/December:

SCV-LEOS 11/2: **Photonics in Dentistry** - new optical near-IR diagnostic tools hold promise for the early detection of tooth decay and are ideally suited for removal and modification ... [\[more\]](#)

SCV-CAS - 11/8: **Challenges Ahead in Designing Embedded Analog Circuits in Nanometer Technologies** - The progress towards nanometer transistor sizes poses serious problems for the embedding of analog functions ... [\[more\]](#)

SCV-SP - 11/8: **Nonlinear Adaptive Systems** - many problems in the real world involve noise and distortion that are time varying and nonlinear; use of the Volterra and Wiener models ... [\[more\]](#)

SCV-ED - 11/9: **Practical Nanotechnology** - general state of commercialization, efforts by start-ups and large companies, commercialization models, and investment risks ... [\[more\]](#)

SCV-CPMT&LEOS - 11/10: **Packaging Challenges in Micro-Optical Electromechanical Systems (MOEMS) Components: the DMD as a Case Study** - the digital micromirror device, at video bandwidths and increasing bit depths, is a successful product in spite of low volume, hard-to-hold, and hard-to-handle problems requiring surface chemistry control on the monolayer or nanometer scale ... [\[more\]](#)

SCV-COM - 11/10: **Wireless Technology Direction for the 21st Century** - where technology, features and advances are positioned with wireless carriers for the next several years: UMTS or CDMA, IPv4 versus IPv6, ZigBee, UWB, Bluetooth ... [\[more\]](#)

SCV-MTT - 11/11: **Microwaves in the Time-Domain** - time-domain characterization can be used for high-speed digital circuitry with clock speeds in the microwave region ... [\[more\]](#)

SCV-CS - 11/11: **Web Intelligence, World Knowledge and Fuzzy Logic** - for the fuzziness of world knowledge, new search engine tools are needed having capability to deal with partiality of certainty or truth ... [\[more\]](#)

SCV-PACE - 11/15: **Parachuting to a Soft Landing in the Silicon Valley Job Hunt** - a talk by the author of "What Color is Your Parachute?" - how to do a job search today ... see below ... [\[more\]](#)

SCV-CNSV - 11/16: **Medical Device Development and Entrepreneurship** - the unique features of product development in the medical device industry, with a view from the consulting perspective ... [\[more\]](#)

SCV-PSES & PES/IAS - 11/17: **Review of 2005 National Electrical Code Changes** - an introduction to selected changes from the 2005 NEC with time for questions and discussion ... [\[more\]](#)

SCV-CSS - 11/17: **Eulerian Modeling and Predictive Control of Air Traffic Flow** - the dimension depends only on the number of elements in the network, and is invariant with respect to the number of aircraft ... [\[more\]](#)

SCV-EMB - 11/17: **A Medical Device Entrepreneur's Guide to Understanding and Creating Value** - a review of seven keys for maximizing value for an early stage company with recent case studies ... [\[more\]](#)

SCV-SSC - 11/18: **Cascaded Noise-Shaping for Oversampling A/D and D/A Conversion** - the performance of cascaded oversampling modulators with low oversampling ratios has been extended to enable digitization of signals to several MHz ... [\[more\]](#)

SCV-CE - 11/18: **Digital Living 2010** - a strategic overview of some of the forces driving the Digital Home, where the market is now, where it is going, some of the roadblocks, and who is involved ... [\[more\]](#)

OEB-IAS+PES - 11/18: **Advanced Energy Meters and Power Quality Monitors** - today's advanced meters can do many tasks simultaneously, such as process control functions, power quality monitoring, and load shedding operations ... [\[more\]](#)

EBIG - 11/19: **East Bay Entrepreneur's Capital Conference** - low-cost one-day workshop to learn about capitalization and other secrets for your start-up or late-stage business, with Guy Kawasaki and other speakers and panels ... [\[more\]](#)

SCV-EMS - 12/8: **From Engineer to Entrepreneur and A Sport's Analogy for Managing Personal and Team Performance** - views from a technology incubator ... the similarities which translate into higher personal and team performance ... [\[more\]](#)

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Short Courses and Seminars for November and beyond:

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

Date/Time: Wednesday-Thursday, Nov. 3-4, 8:30AM-4:30PM

Instructor: Richard Simonds

Location: Verisign, Mountain View

Fee: \$575 for IEEE Members; \$625 non-members

This 2-day course provides participants with a common methodology, terminology and tools that produce more efficient results and increased buy-in through improved visibility, reliability and consistency.

Key Topics: Project Barriers & Breakthroughs - Team Development & Leadership - Define POS & Scope - Use the Trade-Off Flexibility Matrix - Make Fact-Based Decisions - Define Tasks - Create Work Breakdown Structure - Analyze Risks & Contingency Plans - Diagram Dependencies (CPM, PERT) - Manage the Project: Step-by-Step - Effective Meetings

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

Presentation Skills for Engineers [\[more\]](#)

Date/Time: Friday, November 5, 8:30AM-4:30PM

Instructor: Peter Rosselli

Location: Verisign, Mountain View

Fee: \$425 for IEEE Members; \$475 non-members

This class is for professionals who are called upon to make formal or informal presentations. The most persuasive presenters deliver their ideas clearly, demonstrate confidence and enthusiasm, and handle objections with poise. Participants receive videotape and personal coaching and feedback. Class size is limited to 10 participants.

Key Topics: Conquer "stage fright" - Use effective eye contact and gestures - Optimize opening & closing statements - Make key information memorable - Create and use visual aids - Use notes skillfully - Handle challenging questions & difficult people

Review: "Exceptional! Peter is knowledgeable and does a great job of helping people grow in a very short time. I am very confident that I will feel immediate results."

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

RELIABILITY ENGINEERING COURSE [\[more\]](#)

Reliability is a key attribute of the successful and profitable product. Understanding reliability disciplines and metrics and applying them during design, validation, test, and production yields big rewards. Yet, too few companies have engineering professionals who are skilled in the discipline of reliability.

If you are a **design, test, reliability, or production engineer** and need a good, in-depth course in hardware reliability engineering, this class can benefit you substantially.

Key Topics: Reliability Management - Probability and Statistics - Modeling and Prediction - Maintainability and Availability - Reliability Testing - Product Safety and Liability

In addition, the in-depth course contents prepare you for ASQ's Certified Reliability Engineer exam. Becoming certified as a Reliability Engineer (CRE) can be valuable to your employer and your career.

Course Starts January 11, 2005

Instructor: Jurek Zarzycki, CRE, CQE

Schedule: Eight consecutive Tuesdays 6 - 10 PM from January 11 thru March 1, 2005

Location: Santa Clara

Cost: \$995 (includes Text Book and Solutions Book); 25% discount for unemployed

Registration: This course fills up quickly and seating is limited. To register, or for full information, please email to: relclass@opsalacarte.com or call (408) 472-3889

SCV-PACE & SCV-CAS present:

"Parachuting to a Soft Landing in the Silicon Valley Job Hunt"

with Richard Bolles, author of "What Color is Your Parachute?"

Monday, November 15th Dinner Meeting [\[more...\]](#)

We learn that corporate leaders, at the top of the ladder, often get a "golden parachute" to enable them to move to another position with little financial hardship. The rest of us have to make other plans, or find ourselves making these plans when we find ourselves out of work. Come hear how the successful job hunt can be conducted.

Richard Bolles, known the world over as the author of the best-selling job-hunting book in history, "What Color Is Your Parachute?," is acknowledged as "America's top career expert" by Modern Maturity Magazine, and is listed in "Who's Who In America." He lives in the Bay Area, and Santa Clara Valley PACE has arranged for a discussion of the job search process by the author to assist the members in the Section who are facing a job transition now, or may face one in the near future. A light dinner will be served for a nominal fee, with a discount for each IEEE member and guest.

Reduction in Dues for Unemployed Members

Do you find yourself unemployed and searching for a job? Don't forget that you can remain a Member of the IEEE at **half-rate dues**. Please print out the [application form for reduced-rate dues](#) and send it in with your renewal. Don't let your Membership lapse!

And **non-Members** (or past Members) can join while unemployed by using this same form. Then you can take advantage of the [IEEE Job Site](#) in your search.

The [IEEE Job Site](#), available exclusively to IEEE members, can help you locate career opportunities easily and confidentially. Just complete a profile of your qualifications and requirements, and you'll be notified via email when a suitable job becomes available. The IEEE Job Site was named one of the top online recruitment sites by Weddle's Guide to Employment Web Sites. And top employers know that IEEE members are the most qualified electrotechnology and information-technology professionals in the world. Take a few minutes to register with the IEEE Job Site and check out your career options today!

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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:

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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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