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Networking Opportunities at local Chapter Meetings, Tutorials, Workshops, PACE, Consultants Network Conferences, Career Enhancement   **Please Post and Circulate within your Company/Lab**   November 12, 2004

Serving the San Francisco, Oakland-East Bay, and Santa Clara Valley Sections of the IEEE
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Upcoming Chapter Meetings - summaries	**Transition to Manager, Thermal Design** courses	**Intelligent Control & Soft Computing** course	**What Color is YOUR Parachute?** - job searches	**Subscribe**

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-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-Nano - 11/16: An Overview of Nanotechnology Research at HP Labs - focus on nanoscale molecular memories and the limit of the technology; nanofabrication challenges and possible applications ... [more]

SF-IAS - 11/16: Arc Flash Calculations for the Consulting Engineer - brief history of this issue, the applicable codes, calculations, and the means of personal protection ... [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-CNSV - 11/22: CNSV Entrepreneurial Group Meeting - meeting on the second and fourth Monday of each month ... [more]

SCV-Ed - 12/1: Engineering Innovation for the 21st Century - an educational perspective related to information technology, biotechnology and nanotechnology ... [more]

SCV-LEOS - 12/7: How to Improve Your Image: It Ain't Magic ... or is it? - the interesting, subtle and revealing aspects of optical system design, both science and art ... [more]

SCV-CPMT - 12/8: Replacing Heat Sinks with Thermally Conductive Substrates -- Technology and Tradeoffs - advantages and applications of substrate constructions that eliminate the need for heat sinks ... [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]

SCV-MTT - 12/9: Surface-Mount 2 GHz 30W Power Amplifiers Blend Thick-Film Hybrid and Chip-and-Wire Technology for Communications Infrastructure Applications - low-cost hybrid PA modules with aggressive performance requirements ... [more]

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Short Courses and Seminars for December and beyond:

Transitioning From Individual Contributor to Manager [more]
Date/Time: Thursday, Dec. 9, 8:30AM-4:30PM
Instructor: Dr. Andrew Oravets
Location: Exar Corp, 48720 Kato Rd., Fremont
Fee: $350 for IEEE Members; $425 non-members

The transition from individual contributor to manager can be the most challenging shift of a career. Management demands a deeper appreciation of the impact of one's style and greater flexibility in order to be able to deal with a variety of people. This program is designed to introduce prospective or newly promoted managers in a technical environment to the concepts and skills critical to a successful assumption of leadership.

Key Topics: Project Barriers & Breakthroughs - Identify the main challenges in moving from contributor to manager - Learn to "let go" of technical issues and focus on management goals - Analyze leadership transactions - Assess the impact of management "operating styles" - Make powerful requests - Key values of effective leaders

Full course description and registration details.

Thermal Design and Modeling of IC Packages [more]
Date/Time: Wednesday, Dec. 15, Noon - 5:00 PM
Instructor: Dr. Sam Z. Zhao
Location: UCSC Extension, 1180 Bordeaux Drive, Sunnyvale
Fee: $225 for IEEE Members; $249 non-members

This short course provides a systematic approach to the understanding of IC package-related thermal issues, thermally enhanced packages, industry standard thermal tests, IC package thermal modeling techniques, and system thermal design using IC package compact and detailed thermal models. Students completing this class should gain basic understanding of IC package thermal characteristics, improve their ability and understanding to make appropriate IC package technology selection and system design decisions, and to achieve reliable performance of complex electronic devices.

Key Topics: Understanding IC Package Thermal Data - Theta-ja, Theta-jb, Theta-jc, Psi-jt - IC Package Thermal Enhancement Design - Minimization of Theta-jc - Minimization of

Intelligent Control & Soft Computing -- Neural Networks, Fuzzy Logic, Genetic Algorithms [more]

- Dates: February 1-3, 2005
- Location: NASA Research Park, Moffett Field
- Instructors: Lotfi Zadeh, Ph.D., UC-Berkeley; Kevin Passino, Ph.D., Ohio State Univ; Hamid Berenji, Ph.D., IIS Corp.

Traditional (hard) computing methods do not provide sufficient capabilities to develop and implement intelligent systems. Soft Computing is a subfield of artificial intelligence that is tolerant of imprecision, uncertainty, and partial truth. Soft Computing and Computational Intelligence methods have provided important practical tools for constructing intelligent systems.
This course has been presented at several NASA locations including NASA Marshall and NASA Glen as recently as June 2004. At the completion of this course you will have a full understanding of the benefits of intelligent control, neural networks, fuzzy logic inference, and genetic algorithms. You will have learned significant details about their successful applications and you will have developed the necessary knowledge to design and apply these techniques to your particular applications.
Key Topics: Learn how to design and apply fuzzy logic and neural networks techniques -- Understand the fundamental concepts -- Gain important knowledge about recent developments -- Obtain information about available software and hardware tools -- Explore a wide range of applications
Who Should Attend? Engineers, technical managers, project leaders, scientists, system analysts, and others interested in fuzzy logic, neural networks and intelligent systems.

"The Soft Computing Days seminar was fantastic! Three of us attended as a group and each of us came back with the seeds of a major soft computing project. I was so taken with Lotfi Zadeh's talk, that I went back and completely redesigned a fuzzy logic expert system for tactical asset allocation. Thanks for a great conference!"

Cost: $975 (includes class notes and refreshments)
Registration and more information: On the class website

Theta-jb - JEDEC Standards for Package Thermal Characterization - Thermal Modeling of IC Packages

Full course description and registration details.

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!

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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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unsubscribe   e-GRID-text

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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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