The San Francisco Bay Area Council – Your partner in promoting conferences, courses, webinars, and more!

The IEEE SF BAC publishes announcements in our **eGrid newsletter** for chapter events, conferences, short courses, tutorial programs, and webinars, bringing them to the attention of a cross-section of our 32,000+ IEEE members and guests in the San Francisco Bay Area. The eGrid is online all the time at *www.egrid.biz* and is emailed out twice a month. The full advertising package includes:

* Ad will appear in the eGrid with a tile logo
* Have a line item listing in the right "table of contents" column in eGrid with a few choice words and a small tile logo
* Ad will appear on a separate page exclusively with other similar ads, with a link to that page in the left "table of contents by content" column of the eGrid

An alternative is to pay for an ***abbreviated advertising option*** for a lesser amount of money, which would include:

* Have a line item listing in the right "table of contents" column in eGrid with a few choice words about the event / conference.

Engineering chapters, societies, and affinity groups in the SF Bay Area include:
* Antenna and Propagation * Circuits & Systems * Computer * Consultant's Network Affinity Group * Communications * Consumer Electronics * Control Systems * Components, IC Packaging, and Manufacturing Technologies * Engineering In Medicine & Biology * Electromagnetic Compatibility * Industry Applications * Instrumentation & Measurement * Life Members Affinity Group * Magnetics * MEMS & Sensors Council * Microwave Theory & Techniques * Nanotechnology Council * Nuclear & Plasma Sciences * Photonics * PhotoVoltaics * Power & Energy & Industry Applications * Product Safety Engineering   * Reliability * Robotics & Automation * Signal Processing * Solid State Circuits * Technology and Engineering Management * Women In Engineering Affinity Group * Young Professionals Affinity Group

eGRID RATES	
2 months Call for Papers ad, **2** months conference ad	$3,200
3 months of **eGRID** advertising. Can include a division for call for papers ad + conference for an additional $200.	$2,500
2 months of **eGRID** advertising	$2,100
1 month of **eGRID** advertising	$1,650
2-week ad, or one emailing	$900
Year-round rates, paid in six-month increments of $2,400	$4,800
Abbreviate Rate – line item only with logo & a few choice words	$1,000
Line item for conference as above + line item for Call for Papers	$1500
Employment rates:	
Employment opportunities, per single emailed e-grid + on-line ($300 for two e-grids, or one month) with highlights and website link	$150
Employment opportunities, per single emailed e-grid + on-line with company logo	$200
Employment opportunities for corporate accounts, emailed e-grid + on-line, ten positions per month, for two week periods each (5 for entire month, or some combination).	$500

Smaller, locally-sponsored conferences receive discount.

We look forward to making our IEEE eGrid newsletter a centerpiece of your advertising campaign, and we wish you great success! Please contact me at:

Sandra Winkler, 1-650-299-9365, s.l.winkler@ieee.org

Santa Clara University Graduate Engineering
MS in Sustainable Energy, and certificates in Renewable Energy or Frugal Innovation.
See ad

Besser Associates The Worldwide Leader in RF and Wireless Training.

BESSER ASSOCIATES

MEAD Education
Advanced engineering short courses in the design of integrated
circuits and systems. See ad

MEAD Education

EMPLOYMENT OPPORTUNITIES

Put your employment listings here.

ADVANCE YOUR CAREER WITH ADDITIONAL EDUCATION

**Advanced engineering short courses are organized by MEAD Microelectronics and are
held at UC Santa Cruz from March 26-30, 2018**

Mead Education

MEAD education short courses are taught by both academic and
industrial instructors, which allows the coverage of the theoretical as
well as practical aspects of every topic in all courses. The following
courses are offered:

Advanced Analog IC Design
Time Assisted Analog Design, Circuit Techniques for OpAmp Speed and Accuracy
Improvements, CMOS Switched-Capacitor Circuit Design

Delta-Sigma Data Converters
Delta Sigma Converter Basics, CTDS Modulators, Dynamic Element Matching, Design of
Building Blocks for CTDS Modulators

Deadline for registration: February 19, 2018. See mead.ch/MEADNEW/advanced-engineering-
courses-uc-santa-cruz-california

Engineering with a Mission

The Santa Clara University Graduate Engineering program offers:

* **MS degree in Power Systems and Sustainable Energy.**
* **Certificate programs in Renewable Energy** and **Frugal Innovation**

Students interested in the MS degree must satisfy the standard admissions criteria, an
undergraduate degree in a field of engineering (physics degrees will also be considered), GRE
scores and (for international students) demonstrated proficiency in English. Both TOEFL and
IELTS scores are acceptable for this purpose.

To obtain more information, please contact **Stacey Tinker at stinker@scu.edu or call 408-
554-4313.** Mention this ad and your application fee will be waived.

To learn the **latest trends in electronic design & automation and semiconductor technologies**,
attend the 19th **International Symposium on Quality Electronic Design (ISQED 2018)**. This
premier interdisciplinary and multidisciplinary Electronic Design conference bridges the gap among
Electronic/Semiconductor ecosystem members providing electronic design tools, integrated circuit
technologies, semiconductor technology, package assembly, and test to achieve total design quality.
The conference covers:

isQED
Symposium 2018

* *Security*
* *IoT*
* *Machine Learning*
* *Electronic Design*

ISQED 2018 will be held on March 13-14, 2018, at the Hyatt Regency Santa Clara. For more information, see ISQED 2018.

CALL FOR PAPERS - ENGINEERING EDUCATION INNOVATIONS

FRONTIERS IN EDUCATION 2018
Fostering Innovation Through Diversity

Frontiers in Education (FIE) Conference is a major international conference
focusing on educational innovations and research in engineering and computing
education, focused at the graduate, undergraduate and pre-college levels. The
theme for 2018 is **Fostering Innovation Through Diversity**, and will be held in
San Jose on October 3-6, 2018.

The abstract submissions are through **February 5, 2018**, and are including the following thematic tracks:

* *Diversity/equity/inclusion in engineering and computing*
* *Encouraging and teaching innovation*
* *Innovation in software engineering education*
* *Upward mobility, and EPICS/service-learning*

Please see FIE2018.org for information on the conference, and Call for Abstracts for more specific information.

ENERGY AND POWER SYSTEMS

CALL FOR DIGESTS

The Tenth Annual IEEE **Energy Conversion Congress and Exposition (ECCE 2018)** will be held in Portland, Oregon, USA on
September 23 - 27, 2018 ECCE 2018 is the pivotal international conference and exposition event on electrical and electromechanical
energy conversion field. ECCE 2018 will feature both industry-driven and application-oriented technical sessions, as well as
expositions. **Digests are due January 15**, in the following areas:

Energy Conversion Systems and Technologies, such as
* Renewable and alternative energy systems
* Smart grids, micro-grids, and utility applications
* Electrical energy storage systems

Components and Subsystems for Energy Conversion, such as
* Power electronic devices (Si and Wide band-gap) and applications
* Power conversion topologies, modulation, and control
* Rotating/linear electro-mechanical devices and drive systems

10th Anniversary
ECCE 2018
IEEE ENERGY CONVERSION CONGRESS & EXPO   Portland, Oregon | Sept. 23-27

See ieee-ecce.org/2018/call-for-papers. Interested in exhibiting? Contact ecceexhibits@courtesyassoc.com.

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* **William "Bill" Jennings - Vice President of Engineering, FarmX**
* **Dr. Randy Katz, United Microelectronics Corp. Distinguished Professorship, University
of California, Berkeley**

Tickets are $125 through 2/5 and $140 thereafter. SVEC and IEEE members receive $26
discount, with discount code "orgmember". The SVEC Banquet will be held at the Hyatt Hotel,
5101 Great America Parkway, in Santa Clara, beginning at 5:30 pm. Reserve your tickets at
svecbanquet2018.eventbrite.com

VOLUNTEER OPPORTUNITIES

Partner with science teachers of K-8 students - www.topsofscv.org

School Science Presenters Wanted for AVS Science in Action -
ncccavs_education@avs.org or brynsvold@ieee.org!

Have you ever thought about teaching? Learn more and Apply for the EnCorps
Fellowship for STEM Professionals - http://encorps.org

EnCorps

Science Fair judges needed for students from middle schools and high schools, at these three
science fairs: San Mateo on Sunday, March, Santa Cruz on Saturday, March 10, and Santa Clara
on Thursday, March 15. If you are interested in helping out at one of these fairs, or sponsoring a
prize, please call Charlie Neuhauser at (408) 245-0085 (W) or E-mail him at
Cneuhauser@Earthlink.net.

Project Open NanoCarbon - Monthly meetups/opensci journal club to research, build and deploy
open hardware to rapidly solidify gigatonnes of carbon from atmospheric CO2.

Advise & mentor underrepresented young adult entrepreneurs. Flexible time commitment.
Business and technology experienced professionals browse details, and apply to join at
skysthelimit.org

ADVERTISING OPPORTUNITIES IN THE EGRID

Would you like a boost in SF Bay Area publicity (especially here in Silicon Valley), for higher
awareness and attendance of your conference or courses? We have 32,500+ technical
subscribers in the SF Bay Area. Please see eGrid Ad Opportunies.pdf

Does your company have engineering positions open? Advertise these positions in the eGrid!
Contact Sandra Winkler at s.l.winkler@ieee.org

Thinking of becoming a member of IEEE? Benefits include a free subscription to the IEEE
Spectrum, discounts on insurance, access to a library of information, and an opportunity to be
part of s society which is changing the world. Please use Sandra Winkler as a referral, member
#85012626

SERVICES OFFERED/ EMPLOYMENT WANTED

Materials engineering position, doing research, process and failure analysis, characterization,
seeking position in any location, M.S. in Materials Engineering, Jessica Winkler,
jwink0685@gmail.com

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* Learn the best practices

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Already a consultant?
* Expand your networking opportunities
* Promote your skills on your own webpage
* Learn from the camaraderie of our network
Check out CaliforniaConsultants.org/

AUTOMATED VEHICLES

The IEEE Communications Society (ComSoc) and IEEE Vehicular Technology Society (VTS)
are hosting a one-day summit on
February 8 at the Hilton Santa Clara, the **IEEE Connected & Automated Vehicles Summit (a 5G-driven event)**, at the Hilton
Santa Clara
Does the idea of autonomous and connected vehicles intrigue you? Come learn how 5G networks can support
the automotive and mobility industries. The IEEE Connected & Automated Vehicles Summit features a large
lineup of speakers from the automobile, semiconductor, and communications industries to address:

VTS
Connecting the Mobile World!
Vehicular Technology Society

* *Autonomous driving*   * *LIDAR*   * *IoT*
* *Sensor fusion*   * *Radar*   * *Cloud*
* *Deep learning*   * *Mapping*   * *Security*
* *5G*   * *DSRC*   * *Societal impacts*
* *Computing platforms*

See how 5G will drive the autonomous and connected vehicle industry reach their destination. Go to vehiclesummit.ieee.org/

DILBERT | Scott Adams

Comic is courtesy of the San Jose Mercury News.

QUICK TURN ENGINEERING SERVICES

Do you need unique, out-of-the box engineering solutions quickly? **Quick-turn high-precision product design, procedural development, and
fabrication** of parts for testing, developing concepts, tools, and fixturing devices. InteliTek can design and manufacture parts involving very complex
geometry, *up to 40"L x 20"W x 43"H and can meet tolerances verified to ISO standards of up to .0005".*

Partners in: Materials include:
* CAD design   * Aluminum
* Aeronautics   * Stainless Steel
* Automotive   *Titanium
* Infrared   * Copper
* Medical   * Brass
* Prototyping   * Multiple types of Plastics
Please see InteliTek, and contact Sandra Winkler at s.l.winkler@ieee.org, tel 650-299-9365.

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