



**SCV ExCom Meeting Minutes – 4 April 2012**  
*Cogswell College, Sunnyvale, CA*

Attendance Count: 30 (*see Attendee Roster at end of these minutes*)

<b>ExCom Officer Attendance</b>		
Brian A. Berg	Chair	Present
Ed Aoki	Vice Chair	Present
Sachin Desai	Treasurer	Absent
Jay Banwait	Secretary	Present

Brian Berg called the meeting to order at 6:05 pm.

**Acceptance of March 7<sup>th</sup> Meeting Minutes (Brian Berg)**

- Brian asked if there were any objections to acceptance of the minutes from the 7 March 2012 meeting minutes. Hearing no objections, the minutes were accepted.

**Acceptance of April 4<sup>th</sup> Meeting Agenda (Brian Berg)**

- Brian asked if there were any objections to acceptance of the previously circulated agenda for the 4 April 2012 meeting. Hearing no objections, the agenda was accepted.

**Chapter Report #1: Computational Intelligence Society (CIS) (Yoo Hsiu Yeh)**

- Yoo Hsiu reviewed the officers and detailed the website
- Finances \$711.34 at end of 2011
- \$166.84 spent at January meeting for ref/drinks
- \$545 in reserves
- January 2012 meeting
  - Quantization Noise by Dr. Bernard Widrow Stanford University
  - Attendance of 70 -80
- February 2012 meeting
  - The intelligence under the hood; Adaptive control of IC Engines by Dr Yildiray Yildiz
  - Attendance of 25
- May 2012 Presentation (planned)
  - An Overview of Model Reference Adaptive Control - Dr. Nhan Nguyen

**Chapter Report #2: Consumer Electronics Society (CES) (Michael Wang)**

- Michael Wang reviewed the elected officers
- Financial status
  - Bank CBRS Account \$5845.75
  - Cash \$2387
- Various technologies covered by consumer electronics
- Detailed activities
  - Held 11 technical meetings in 2011
  - Have held 3 meetings in 2012 planning on an additional 8 meetings this year
- Miscellaneous;
  - Officer/Volunteer Appreciation Dinner or Lunch
  - Sat Nov 17<sup>th</sup> 2012



- Creating the new position of membership promotion officer

**Chapter Report #3: Electromagnetic Compatibility Society (EMCS) (Eriko Yamato)**

- Eriko reviewed the Chapters Officers
- Presented details of the CES Web site
- Min Hua Webmaster has moved back to China
- Finances \$42,400 at the end of 2011
  - IEEE Concentration Bank Account \$18,200
  - Keypoint Savings \$5500
  - Key point Checking \$18800
- Activities every 2nd Tuesday of the month
  - Main attendees EMC and signal integrity
  - 20-40 attendees a month
  - 9 meetings last year
- Upcoming Events
  - Reverberation Chamber Theory
  - Chuck Bunting
  - Mini Symposium featuring Dr Egin from San Diego State University
  - Subject: Power integrity
- Eriko was questioned on the chapters healthy bank reserves
  - Mainly from vendor support had 26 vendors last year
- Looking for new location for monthly meetings; getting kicked out of current location
- Texas Instruments( formerly National ) is a possibility; need an employee as a sponsor who will attend meeting
- Chapter hopes to reach out to student branches /chapter using for scholarship and free registration

**Chapter Report #4: SJSU CPMT Student Branch Chapter (SJSU-SBC-CPMT) (Edna**

- Edna Shamouni reviewed the Chapter officers and website
- Finances
  - \$628 in funds
  - Membership comprises 15 student members
- Activities
- Scheduled meeting 2<sup>nd</sup> Wednesday of each month
- Upcoming events
  - April 17<sup>th</sup> Technical Workshop
    - LED Flasher with two LEDs and two transistors
  - Altera Events April 13<sup>th</sup>
    - Showcase Altera products
- 4 Past events
  - Meet with industry Professional
  - Project management webinar
  - Resume workshop
  - Ice cream social

**Chapter Report #5: Stanford University Electron Devices Student Branch Chapter (SU-SBC-EDS) (Vijay Narasimhan)**



Vijay Narashiman reviewed the Chapter officers

- Finances
  - Bank \$157.06
  - Number of chapter members 12
- Past Activities
  - February 2012
  - Electrostatic Discharge by Juin Liou IEEE EDS Distinguished Lecturer
- Upcoming Event
  - Dr Michael Wiemer subject; solar Junction (solar cells)
  - 40% efficiency cells
  - Joint Alumni Technology /Career Talk with Material Research Society (MRS)

#### **Chapter Report #6: Electron Devices Society (EDS) (Toshishige Yamada)**

- Chair Toshishige Yamada reviewed officers
- Provided details on chapter Website
- 13 individuals volunteer
  - Difficult to get consensus but experienced individuals a resource
- Membership 987
  - Many senior members
- Finances
  - Available funds \$26,175
- Activities
  - Holding monthly meetings 2<sup>nd</sup> Tuesday/month
  - At Texas Instruments facility
  - Hold mini workshop
- Detailed 12 events in 2011
  - 63 attendees at workshop
  - Last year mini event
- This Year's Activities
  - February 2012 Event "2011 International Technology Roadmap for semiconductors"
    - Dr Alan K. Allan
  - March FinFET/Trigate FET and its Spice Model
  - April 6<sup>th</sup> Full Day Symposium with Nano Council., Cosponsor EDS
  - April 10<sup>th</sup> Event 2D Carbon/ Semiconductor –Enabled Electronics
  - May 8<sup>th</sup> Solar Cell with Nano Dots
- Half Day Symposium planned for some time in fall

#### **SJSU-SBC-CPMT Funding Request (Edna Shamouni)**

- IF Event: Altera
  - April 13<sup>th</sup>
  - Funding request \$200
  - Co- sponsor CPMT SJSU
- Technical workshop
  - April 17<sup>th</sup>
  - Funding request \$130
  - Co- sponsor CPMT SJSU

- Tom Coughlin proposed a MOTION to provide \$330 support. Kim Parnell SECONDED the motion and it passed unanimously. Ed Aoki cut a check for \$330

**Stanford University Funding Request (Sy Bohy, Pallav Agrawal)**

- STeLA Science and Technology Leadership Association 2012
- Annual forum
- Select students from various universities including USA and Japan
- One week course
  - Leadership training
  - Thematic Session
  - Guest Lecturer
  - Site Visit (Google last year)
  - Keynote Speech
  - Presentation
  - Reflection
  - Require \$10,000 total funding
  - This year's event will be held in Japan
  - Sending 12 people
  - Fairly extensive selection process
  - Student leadership makes decision with professor confirmation
  - Primarily Student run event.
  - Have applied to a number of companies for funding
  - Suggestion that should also apply to foundations
- Funding Request \$500-\$2000

- Ed Aoki proposed a MOTION to provide \$1000 support with the proviso that they pursue other foundations for additional funding. Kris Verma SECONDED the motion and it passed unanimously.

- Ed Aoki proposed a MOTION to provide \$300 support to SU SBC EDS. Tom Coughlin SECONDED the motion and it passed unanimously.

- Ed Aoki cut a check for the \$300 in annual funding for the SU-SBC-EDS chapter and gave it to Vijay Narasimhan.

**Chair (Brian Berg)**

- Brian provided an update on the IEEE Milestone activities
  - Two milestones were approved at the March 3-4 meeting of the IEEE History Committee:
    - The Floating Gate EEPROM, 1976-1978
      - From 1976-1978, at Hughes Microelectronics in Newport Beach, California, the practicality, reliability, manufacturability and endurance of the Floating Gate EEPROM -- an electrically erasable device using a thin gate oxide and Fowler-Nordheim tunneling for writing and erasing -- was proven. As a significant foundation of data storage in flash memory, this fostered new classes of portable computing and communication devices which allow ubiquitous personal access to data.



- Bell Telephone Laboratories, 1925-1984
  - Bell Telephone Laboratories has made innovations to telecommunications and related fields that led to the digital era, including information theory, systems engineering, digital signal processing, digital transmission and switching, lightwave communication, cellular systems, the transistor, solar cells, CCD, integrated circuit technology, MBE, CO<sub>2</sub> laser, communication satellites, first transatlantic telephone cable, touch-tone dialing, direct distance dialing, foil electret microphone, UNIX, C language, and digital compression of voice, music, and video.
  - These two milestones nominations will be voted on by the IEEE Board of Directors at its April 23 teleconference.
- More on Bell Labs
  - CHM event on March 28: interview of Jon Gertner, the author of *The Idea Factory: Bell Labs and the Great Age of American Innovation*
  - On this day ( April 4<sup>th</sup>) in 1915, Bell System engineers achieved radiotelephone communication between Montauk Point, NY and Wilmington, Delaware - a distance of 250 miles.
  - The Consultants' Network will have a dinner meeting on Tue, June 12, that will include stories and experiences from at least five former Bell Labs employees
  -
- IEEE Spectrum:
  - ACE Awards on March 27 in conjunction with Embedded Systems Conference
  - Emerging Tech. Forum: The Smarter Grid (Mon, April 23, 5-7:30pm at CHM)
    - Three volunteers have offered to help with registration: Tom Coughlin, Larry Nagel and Dick Ahrons
- Maker Faire: May 19-20 (San Mateo County Event Center)
  - Need a volunteer to represent IEEE at this event
  - Jared offered to bring this up with PACE
- Metro Area Workshop program status (continued later with Roger Hoyt)

#### **Vice Chair (Ed Aoki)**

- New IEEE Business Platform (IBP) being implemented to support SAMIEEE
  - Affects SAMIEEE access from now until April 16 – with training sessions
- STB Annual Report Requirement and Benefits
  - IEEE STB required to submit a report of plans and activities of rebates and allocations from IEEE-HQ are desired.
  - Ed provided details on the different funds that are available
- Request for "Why/What/How-to" documents for Chapter Officers
  - Ed responded to a couple of requests on what is required for the chapter presentation
  - Reimbursement for Attendance at IEEE symposium or conference requires prior approval or pre-approved budget item.
  - Ed provided example of those expenses that could be covered.

#### **Treasurer (Ed Aoki)**

- (Ed filling in for Sachin Desai)
- During March all 52 L50 reports were entered into NetSuite for our 33 OUs



- STB can request setup of IEEE-CBRS Account (re: UCSC, March 2012)
- Initial vTools/PayPal/SCV-CBRS payments received and transferred to SCV-MTT for April 28, 2012 Short Course.
  - Delay of transfer of SC registration funds into CBRS and then to MTT - takes 1-2 weeks
- Follow-up forms completion requests, anticipating IEEE-Finance Audit
  - All Chairs/Treasurers to complete and submit POBC (Principles of Business Conduct/conflict of interest) forms for 2011
  - All OU with LOCAL Bank/Account to submit Bank Balance Confirmation and Bank Statements for 2011.

#### **Secretary (Jay Banwait)**

- List SCV ExCom server 2012 e-mail
  - The cryptic e-mail sent earlier in March was to add the “[SCV ExCom 2012]” prefix to subject line
- Jay requested input on how best to get timely response to the Chapter Report requests

#### **PACE (Kiran Gunnam/Nita )**

- Detailed past events
- Status of volunteer recruitment
- Presentation for next month
- Ed has set up a CBRS account for PACE
- Ed mentioned financial status; Ed moved \$2000 into PACE account as previously mentioned in ExCom meeting in March.

<b><u>Committee Reports</u></b>
---------------------------------

#### **IEEE/Computer History Museum (CHM) Relationship and IEEE Engineering Milestones Report (Dick Ahrons)**

- April 23 IEEE Spectrum event at the Computer History Museum
  - The topic is the Smart Grid
  - Details are in the E-Grid
- Dick suggested that we have an Apple Milestone; Brian said he was working on it

#### **Webmaster (Jared Petrie)**

- What not to do for website updates
  - Provide an example of problems with web updates
  - This results from individuals using word for Web updates
  - An “On line collaboration” site offers help for student branch on how to run their branches
- Jeffrey Pawlan’s Award Page has been set up

#### **GOLD (Jared Petrie)**

- Report: Joint GOLD/SJSU-STB Mixer in SJSU IEEE Room on March 15
  - CPMT student branch chapter also
  - Event was catered
  - 60 attendees with walk ins



- Introduction and back ground
- Questions and answers
- Finished with cake
- Gordon Biersch Brewery tour on May 3<sup>rd</sup>

#### **Nominations and Awards (Jeffrey Pawlan)**

- All nominations for SCV Section awards must be submitted by COB on April 15
- Surely you must know someone, a chapter, company, or student branch that deserves to be recognized for outstanding work in any of these areas:
  - Outstanding Engineer Award
  - Outstanding Leadership and Professional Service Award
  - Outstanding Teacher
  - Outstanding Chapter
  - Outstanding Student Branch Award
  - Section Chair's Special Award
  - Outstanding Corporate Service to Engineering Community Award
- See <http://www.ewh.ieee.org/r6/scv/awards.html> for nomination form
- Jeffrey will not be at the next meeting Paul Wesling/Kris Verma/Jaffrey are the award committee which will choose the winner. Paul Wesling will represent the award committee in May and will detail the winners.
- All entries need to be submitted electronically.

#### **Vehicular Technology Society (VTS) Revitalization (Kim Parnell)**

- Dhaval Brahmhatt and Jared have offered to help
- Planning first meeting to be in late May
- Facilitate transfer of funds form old VTS account to a CBRS account
- Clay Maynard, Ed Aoki are signatories on account

#### **Membership (Kim Parnell)**

- To complete Membership packets.
- IEEE sends out an e-mail to non-continuing members detailing their termination
- Considering searching SAMIEE to appeal and approach affiliate members that may be eligible for full membership
- Any groups holding conferences should be encouraged to involve students
- Figure out a good brochure for companies to encourage/sponsor membership
- A suggestion was made to provide recognition of those companies that encourage membership

#### **Metro Area Workshop (MAW) 2012 (Roger Hoyt)**

- Event is Fri-Sat, Sept. 28-29 at the Santa Clara Convention Center
- Detailed schedule for event and planned activities
- Noted that Bio Tech and Medical device technology is a hot topic
  - There is an all-day session on Life Sciences
- Target audience: working mature individuals that want to reinvent themselves/ students/GOLD folks who want to know direction of technology. Get revitalized and look at new opportunities.
- Admission charge is expected to be on the order of \$100



- Provide a Breadth of topics not necessarily depth
- Budget is \$40,000 funded by Piscataway
- Hyatt is the event hotel
- If there is interest in adding other topics then individuals need the SMART GRID, topic this could be included if we have contacts ideas.

**Old Business**

- None

**New Business**

- None
- **Next Meeting: 2 May 2012, Cogswell College Board Room**

**Chapter Reports for 2 May 2012 (Max. 6 Minutes each)**

- |   |            |
|---|------------|
| 1. San Jose State University Student Branch                 | SJSU-STB   |
| 2. Education Society  | ES         |
| 3. Stanford University Women in Engineering Student Chapter | SU-SBA-WIE |
| 4. Engineering in Medicine & Biology Society                | EMBS       |
| 5. Graduates of the Last Decade AG                          | GOLD       |
| 6. Information Theory Society                               | ITS        |
| 7. Instrumentation & Measurement Society                    | IMS        |

The meeting was adjourned at 8:54pm

***Respectfully submitted by SCV Secretary Jay Banwait***





Santa Clara Valley Section  
 Executive Committee Meeting  
 4 April 2012  
 Rev.3

No.	First	Last	Chapter/Office	Senior	Fellow	Email
1	Al	Dorji	CE Treasurer			<a href="mailto:al.dorji@ieee.org">al.dorji@ieee.org</a>
2	Alessandra	Gallano	CPMT SJSU			<a href="mailto:alessandra.gallano@gmail.com">alessandra.gallano@gmail.com</a>
3	Arthur	Astrin	IT Chair		x	<a href="mailto:astrin@ieee.org">astrin@ieee.org</a>
4	Brian	Berg	SCV Chair	x		<a href="mailto:brianberg@gmail.com">brianberg@gmail.com</a>
5	Darin	Phelps	MTT Treasurer			<a href="mailto:darin-phelps@agilent.com">darin-phelps@agilent.com</a>
6	David	Norlander	APS Chair			<a href="mailto:david_norlander@yahoo.com">david_norlander@yahoo.com</a>
7	Dick	Ahrons	SCV-IEEE Engr Milestone Coordinator	x		<a href="mailto:ahrons@alum.mit.edu">ahrons@alum.mit.edu</a>
8	Ed	Aoki	SCV Vice-Chair, CPMT Chair	x		<a href="mailto:e.aoki@ieee.org">e.aoki@ieee.org</a>
9	Edna	Shamouni	SJSU-SBC-CPMT Chair			<a href="mailto:e.shamouni@gmail.com">e.shamouni@gmail.com</a>
10	Eriko	Yamato	EMC Vice Chair			<a href="mailto:eyamato@ieee.org">eyamato@ieee.org</a>
11	Jared	Petrie	SCV-Webmaster, GOLD Chair			<a href="mailto:scv_webmaster@ieee.org">scv_webmaster@ieee.org</a>
12	Jay	Banwait	SCV-Secretary	x		<a href="mailto:jsbanwait@ieee.org">jsbanwait@ieee.org</a>
13	Jeffrey	Pawlan	SCV-Nominations & Awards Chair	x		<a href="mailto:pawlan@ieee.org">pawlan@ieee.org</a>
14	John	Swan	Computer Society	x		<a href="mailto:JohnSwan@ieee.org">JohnSwan@ieee.org</a>
15	Kendall	Waters	CNSV Chair	x		<a href="mailto:kendall.waters@ieee.org">kendall.waters@ieee.org</a>
16	Kim	Parnell	SCV Junior Past Chair	x		<a href="mailto:kim.parnell@stanfordalumni.org">kim.parnell@stanfordalumni.org</a>
17	Kiran	Gunnam	SCV-PACE Chair	x		<a href="mailto:kgunnam@ieee.org">kgunnam@ieee.org</a>
18	Kris	Verma	SCV-Past Chair (1996-97)	x		<a href="mailto:kris1@isqed.com">kris1@isqed.com</a>
19	Michael	Wang	CE Chair	x		<a href="mailto:michaelawang@macronix.com">michaelawang@macronix.com</a>
20	Neeta	Srivastrav	SCV-PACE			<a href="mailto:neetas@ieee.org">neetas@ieee.org</a>



Santa Clara Valley Section  
Executive Committee Meeting  
4 April 2012  
Rev.3

No.	First	Last	Chapter/Office	Senior	Fellow	Email
21	Pallav	Agrawal	IEEE Stanford			<a href="mailto:pallav4@stanford.edu">pallav4@stanford.edu</a>
22	Pat	Furraggaran	TMC Secretary			<a href="mailto:patf02@hotmail.com">patf02@hotmail.com</a>
23	Robert	Pham	EMC Chair			PhamRobert@Yahoo.com
24	Roger	Hoyt	MAW-SCV Chair; SCV Past Chair (1995-96)		x	r.hoyt@ieee.org
25	Sameer	Herlekar	COMSOC Vice Chair			<a href="mailto:srherlekar@gmail.com">srherlekar@gmail.com</a>
26	Sy	Bohy	IEEE Stanford			<a href="mailto:sbohy@stanford.edu">sbohy@stanford.edu</a>
27	Tom	Coughlin	SCV-Past Chair (2007)	x		tom@tomcoughlin.com
28	Toshishige	Yamada	ED Chair	x		tyamada@scu.edu
29	Vijay	Narasimhan	SU-SBC-EDS-Chair			<a href="mailto:vijayn@stanford.edu">vijayn@stanford.edu</a>
30	Yoo Hsiu	Yeh	CIS Treasurer			<a href="mailto:yoohsiu@stanford.edu">yoohsiu@stanford.edu</a>