

IEEE Solid-State Circuits Society
Administrative Committee Minutes
Sunday 5 February 2006
San Francisco Marriott Hotel, Fourth Street,
San Francisco, CA

Next meeting: Monday, 28 August 2006
at the Marriott Château Champlain
1, Place du Canada
Montréal, QC H3E 1Y2

PART A: SUMMARY OF MOTIONS AND ACTIONS

MOTIONS

1. Decisions voted on 5 February 2006

Motion 1: To approve two regional representatives as voting AdCom members; for Region 8 Jan Sevenhans and for Region 10 C. K. Wang. The motion passed.

Motion 2: To approve the minutes of 29 August 2005. The motion passed.

Motion 3: To advance \$700K for ISSCC 2007. The motion passed.

Motion 4: To advance \$60K for CICC 2006. The motion passed.

Motion 5: For SSCS to support BCTM 2007 as a technical co-sponsor. The motion passed.

Motion 6: Publish in color and mail to full membership, the SSCS News. The first issue will be September 2006 at a cost of \$15k. In 2007 it will be published quarterly at a cost of \$19k per issue (\$76k total)
The SSCS News will accept advertising for the print and electronic issues, generating an estimated 12K in revenue per year. The motion passed.

Motion 7: To forecast and budget the JSSC page count
2006: increase from 2,700 budgeted originally to a forecast of 3,000 pages
2007: Budget 3,000 pages. The motion passed.

Motion 8: To include A-SSCC digest on SSCS DVD. Agreed to by acclamation.

PART B: MEETING MINUTES

1. WELCOME AND INTRODUCTIONS

Richard C. Jaeger

The meeting was called to order by SSCS President Richard C. Jaeger at 1:00 p.m.

2. SECRETARY'S REPORT

David Johns

A. Roll Call

a) Voting members present (25)

Bryan Ackland	Dick Jaeger	Jan Rabaey
Bill Bidermann	David Johns	Takayasu Sakurai
Anantha Chandrakasan	Rakesh Kumar	Willy Sansen
Terri Fiez	Thomas Lee	Jan Sevenhans
Wanda Gass	Domine Leenearts	Mehmet Soyuer
Bruce Hecht	Steve Lewis	Jan Van der Spiegel
Dave Hodges	Akira Matsuzawa	C.K. Wang
Paul Hurst	Un-Ku Moon	C.K. Ken Yang
		Ian Young

b) Voting members absent (2)

Gary Baldwin	Ali Hajimiri
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(c) Additional Attendees (11)

Bernhard Boser	Bram Nauta	Jeff Raynes
Steve Hillenius	Katherine Olstein	Larry Starr
Mary Lanzerotti	Anne O'Neill	Lew Terman
K. Nagaraj		Tim Tredwell

Motion 1: To approve two regional representatives as voting AdCom members; for Region 8 Jan Sevenhans, and for Region 10 C.K. Wang. The motion passed.

In addition, Dick Jaeger asked that nominations for a Region 9 representative be forwarded to Steve Lewis, Chair of the Nominating Committee.

B. The minutes of the 29 August 2005 meeting were posted on the Web in September.

Motion 2: To approve the minutes of 29 August 2005. The motion passed.

3. TREASURER'S REPORT Rakesh Kumar

SSCS financials turned positive beginning in 2003, and increasing surpluses are projected through 2008.

In 2005, JSSC page-count increased, expenses for conferences decreased and revenue grew, and IEL/Xplore "hits" stayed at the top, for a total net surplus of 171K. Final 2005 numbers will be available in March. 2005 reserves could exceed \$2.8M.

For 2006 and 2007, net surpluses of \$386K and \$513K are projected considering the Society's anticipated receipt of Revenue from the Xplore Enterprise Edition electronic-only product for smaller firms, and the possibility of a new algorithm to be determined at the Treasurer's Workshop this March.

4. IEEE REPORT

Steve Hillenius

People used to join IEEE mainly to receive its journals, said Hillenius, who became IEEE Division 1 Director in 2005, but members now are most interested in its conferences. Although the US still represents the majority of members, with 202.3K belonging to US IEEE Regions 1-6, and 128.7K to the non-US IEEE Regions 7-10, membership growth in 2005 became more international, with non-US membership up by 3.3%, and US membership down by 1.7% from the prior year. This trend suggests a reorganization of representation on Technical Activities Board (TAB) and other modifications to increase TAB's effectiveness.

5. CEDA COUNCIL REPORT

Bryan Ackland

Endorsed by SSCS in February 2005, and accepted by the IEEE TAB and BOG in June 2005, the Council on Electronic Design Automation focuses on the theory, implementation and use of EDA/CAD tools to design integrated circuits and systems using tools that automate all levels of the design, analysis and verification of hardware and embedded software, up to and including complete working systems. CEDA conferences and meetings comprise DAC, ICCAD, DATE, FMCAD, VLSI-SoC and MPSOC. Its publications are "Transactions on CAD" (1,300 print subscriptions) and "Design and Test" (2,200 print subscriptions). Projected income and expenses for 2006 and 2007:

	2006	2007
DAC	26K	52K
ICCAD	4K	8K
T-CAD	45K	90K
Society Contributions	50K	0K
Total Income	125K	150K
Total Expenditures	121.3K	130K

6. SENSORS COUNCIL REPORT

Darrin Young

The IEEE Sensors Conference, which covers a broad range of sensors and sensor-related components and systems, will meet next in October, 2006 in Daegu, Korea. The bi-monthly IEEE

of Moore's Law, which is planned for the inaugural issue of September 2006. Existing content will be organized into stable sections, coverage of noteworthy events expanded, and practical, career-improvement articles added. The quarterly newsletter will continue to be available on-line.

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JSSC actions in 2005 were:

	July-Dec.	Jan.-June
TOTAL PAPERS SUBMITTED	170	151
ACCEPTED	36	32
REJECTED	32	34
UNDER REVIEW	32	34
	69	

Guest Editors were appointed for September 2006 (BCTM), October 2006 (CSIC), and November 2006 (ASSCC). The first RFIC Special Section is completed for the JSSC May 2006 Issue.

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 2006: increase from 2,700 budgeted originally to a forecast of 3,000 pages
 2007: Budget 3,000 pages. The motion passed.

Motion 8: To include the A-SSCC digest on SSCS's conference DVD. Agreed to by acclamation.

9. AWARDS COMMITTEE REPORT

David Hodges

Dave Hodges reported that analysis shows that SSCS members are elevated to Fellow about proportionally to its number of members compared to other Societies. Three IEEE Technical Field awards are being presented at ISSCC:

2006 IEEE Gustav Robert Kirchhoff Award	Gabor C. Temes
2006 IEEE Donald O. Pederson Award in Solid-State Circuits	Mark Horowitz
2006 IEEE David Sarnoff Award	Mau-Chung Frank Chang

10. CHAPTERS COMMITTEE REPORT

Jan Van der Spiegel

SSCS grew by two new chapters in Green Mountain, Vermont and Montevideo, Uruguay, in 2005, and a new chapter in Phoenix, Arizona has just been established, totaling 54 chapters. A petition spearheaded by Terri Fiez for a chapter in Oregon is underway. The Denver chapter in Fort Collins, Colorado was recognized as Outstanding Chapter for 2005.

The Society's annual Chapter Subsidy Awards for 2006 were granted to 22 chapters and totaled \$15,350K. Extra Chapter Subsidy Awards were given to three chapters in 2005 and totaled \$6,420K for a seminar on nanotechnology in Novosibirsk, a short course on equalization, clock

and data recovery and low-jitter clock generation for high speed links in Taipei, and a conference on prospective technologies and trends in MEMS design sponsored by West Ukraine. Also, membership subsidies were awarded to 16 individuals in the SSCS Uruguay, Nizhny-Novgorod, West Ukraine, and Novosibirsk Student chapters.

11. MEMBERSHIP REPORT

Bruce Hecht

SSCS continues to be the 5th largest IEEE society, despite a drop in membership of 2.6% in 2005. By comparison, IEEE Societies in general experienced a membership decline of 1.6%. Ironically society membership is a top motivator for reenrollment in IEEE according to recent surveys, along with opportunities for keeping technically current and Spectrum magazine.

As the result of AdCom motions in August 2005, the cost of SSCS membership will increase from \$18 to \$20 in 2007 and include online access to JSSC and the Conference Digital Library. The SSCS Conferences Digital Library DVD, offering conference papers for JSSC 66-05, ISSC 55-05, VLSI 88-05, CICC 88-05, and ESSIRC 97-05, will be available to members for an additional \$40.

The Membership Committee is preparing a “Career Guide to Integrated Circuits” for students in high school grades 11 and 12, college undergraduates, and others considering a career change. This brochure will illustrate what engineers in integrated circuits do and describe how to prepare for a career in the IC field. Its expected distribution date is January, 2007.

12. EDUCATION REPORT

C.K. Ken Yang

The Distinguished Lecturer Program added 8 new speakers in 2005, bringing the DL roster this year to a total of 18. The program aims at enrolling ten new speakers per year, each for a two-year tenure, entailing two lectures per year. The deadline for 2007 nominations is 30 September 2006.

In 2006, Europe and Asia (Regions 8 and 10, respectively) will be targeted for special attention. A proposal for a “DL Tour” package including several speakers and a week-long itinerary especially for less-traveled SSCS Chapters will be brought before the AdCom for consideration at its meeting in August.

A selection of Short Courses and Tutorials from SSCS conferences is expected to be converted to one-hour “Expert Now IEEE” modules and made available for members of the IEEE and commercial purchasers via the IEEE Xplore platform (xell.ieee.org) using professionally designed interfaces and a consistent GUI. SSCS-funded modules produced in 2004-2005 are “Wireless LAN Radio Design” by Arya Behzad, “Introduction to PLL & DLL Design for Digital Systems” by Dennis Fischette, and “Nanotechnology” by Philip Wong. Modules by John Kymissis, Norman Rohrer and David Robertson are under consideration for 2006. Input for future SSCS DL subjects and presenters should be sent to Ken Yang (yang@ee.ucla.edu).

13. 2006 ADCOM MEETING SCHEDULE

Richard C. Jaeger

The SSCS AdCom will meet next at the Marriott Chateau Champlain in Montreal, Quebec on Monday, 28 August 2006.

14. SUMMARY OF VOTES WITH FINANCIAL IMPLICATIONS

Rakesh Kumar

- JSSC subscription increase by \$2 each. Positive impact ~\$16K.
- ISSCC 2006 DVD. Incremental cost included in ISSCC budget.
- ISSCC 2006 advance increase to \$700K. Cash flow will need to be watched.
- CICC 2005 advance of \$60K. Per plan.
- JSSC 2006 page count increased to 2700.
- CAD council formation, \$10K.
- Approve outline of proposed 2006 budget, and authorize Executive Committee (president, vice president, past president, treasurer) to make adjustments in May for submission to IEEE.

15. ADJOURN

Richard C. Jaeger

The meeting was adjourned at 5:00 P.M.

Respectfully submitted, February 2006, Anne O'Neill, Executive Director of SSCS and David Johns, SSCS Secretary.