

# IEEE Solid-State Circuits Society

## Administrative Committee

Sunday, September 11, 2016  
Lausanne, Switzerland

### PART A: AGENDA

<b>Sched</b>	<b>Submitter</b>	<b>Presenter</b>	<b>Topic</b>
noon	SSCS AdCom	none	Lunch
13:00	SSCS AdCom	Jan Van der Spiegel	AdCom - Full meeting - Introduction – Welcome
13:10	SSCS AdCom	Mike Beunder	Approval of Prior Meeting's Minutes
13:15	SSCS AdCom	Shekhar Borkar	Treasurer's Report
13:25	SSCS Mem	Patrick Yue	Membership Committee
13:45	SSCS AdCom	Ali Sheikholeslami	Education Committee / Distinguished Lecture Program
13:55	SSCS CC	Stefan Rusu	Chapters Committee
14:25	SSCS AdCom	Bill Bidermann	Nominations Committee
14:40	SSCS Mtgs Committee	Ken O	Meetings Committee Reports
14:50	SSCS Mtgs Committee	Andreia Cathelin	ESSCIRC
15:00	SSCS Mtgs Committee	Anantha Chandrakasan	ISSCC
15:10	SSCS Mtgs Committee	Ramesh Harjani	CICC Report
15:20	SSCS Par	Jan Van der Spiegel	Break
15:30	SSCS AC	Mike Kelly	SSCS Undergraduate Scholarship Fund proposal
15:40	SSCS AC	Bidermann / Kelly	SSCS new Field Award proposal
15:50	SSCS Pub Committee	John Long	Publications Committee
16:00	SSCS Pub Committee	Rakesh Kumar	Magazine Advisory Committee
16:10	SSCS Pub Committee	Jan Craninckx	JSSC EIC Report
16:20	SSCS SP	Mike Beunder / Jan Van der Spiegel	Strategic Goals Discussion
16:50	SSCS AdCom	John Corcoran	Awards
17:10	SSCS CR	Bryan Ackland	Council on EDA
17:15	SSCS CR	Bruce Hecht	Biometrics Council
17:20	SSCS CR	Darrin Young	Sensors Council

**MINUTES**  
**PART B: SUMMARY OF MOTIONS**

- Motion 1:** Motion to approve \$5k Annual fee for three years for participating in the IoT Community. The motion was made by Jan Van der Spiegel, seconded by John Corcoran. Motion passed.
- Motion 2:** Motion to approve \$2k annually for four years for membership of the Biometrics Council. The motion was made by Jan Van der Spiegel, seconded by John Corcoran. Motion passed.
- Motion 3:** Motion to maintain SSCS membership dues at the current 2016 level for 2017. The motion was made by Jan Van der Spiegel, seconded by John Corcoran. Motion passed.
- Motion 4:** Motion to approve the minutes of the AdCom meeting of January 31, 2016. Motion made by Mike Beunder, seconded by Jan Van der Spiegel. Motion passed.
- Motion 5:** Motion to allocate 6k additional amount for Student Travel Program for Symp. on VLSI Circuits in Japan, ESSCIRC and CICC. Motion made by Ken O, seconded by Kofi Makinwa. Motion passed.
- Motion 6:** Motion to approve page budget for SSC Magazine for 2017 of 400. Motion made by Rakesh Kumar, seconded by John Long. Motion passed.
- Motion 7:** Motion to continue with MOU and to expand the role of Design and Test. Motion made by Bruce Hecht. Motion came from Committee, so does not need a second. Motion passed.
- Motion 8:** Motion to adjourn the AdCom meeting of September 11, 2016. Motion made by Jan Van der Spiegel, seconded by Andreia Cathelin. Motion passed (adjournment at 17:30).

**PART C: MEETING MINUTES****Meeting Attendance****Voting Members Present**

Mike Beunder	Kofi Makinwa	Roland Thewes
Andreia Cathelin	Bram Nauta	Jan Van der Spiegel
John Corcoran	Ken O	Andrei Vladimirescu
Franz Dielacher	Stefan Rusu	Zhihua Wang
John Long	Ali Sheikholeslami	Patrick Yue

**Voting Members Absent**

Jake Baker	Pavan Hanumolu	Shanthi Pavan
Bill Bidermann	Hideto Hidaka	Behzad Razavi
Shekhar Borkar	Peter Kinget	

**Non-Voting Members Present**

Emre Aryanci	Bruce Hecht	Tadahiro Kuroda
Jan Cranickx	Makoto Ikeda	Willy Sansen
Ramesh Harjani	Rakesh Kumar	

**Non-Voting Members Absent**

Bryan Ackland	Dave Hodges	Vivek Tiwari
Elad Alon	Dick Jaeger	Darrin Young
Anantha Chandrakasan	Tom Lee	Ian Young
Michael Flynn	Shahriar Mirabbasi	Bruce Wooley
Wanda Gass	Lew Terman	

**IEEE Office Staff present**

Mike Kelly	Lauren Caruso	Abira Sengupta
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## 1. OPENING OF ADCOM MEETING

Jan Van der Spiegel

SSCS President Jan Van der Spiegel opened the meeting (13:30) and welcomed all present to the AdCom meeting. A roll call was held and it was determined that there was a voting quorum.

## 2. PRESIDENT'S WELCOME

Jan Van der Spiegel

President Van der Spiegel expressed thanks for the support getting the new SSCS Website up and running. The launch of Browzine was mentioned as well as the upcoming signing of the MOU with ESSCIRC later during this meeting. Also, JSSC's 50<sup>th</sup> anniversary and the progress on the execution of our strategic goals roadmap for 2020 were briefly covered. As part of the ongoing activities, President Van der Spiegel would like SSCS to participate in the new IoT Council. Chapter growth, DL Program, implementation of Strategic Plan, Membership, new Awards processing platform (OpenWater), new columns in Magazine (In-Step, member testimonial), multi-lingual possibilities and new initiatives were also mentioned.

**Motion 1:** Motion to approve \$5k Annual fee for three years for participating in the IoT Community. The motion was made by Jan Van der Spiegel, seconded by John Corcoran. Motion passed.

**Motion 2:** Motion to approve \$2k annually for four years for membership of the Biometrics Council. The motion was made by Jan Van der Spiegel, seconded by John Corcoran. Motion passed.

Similarly, the involvement of SSCS in the Biometrics Council should be continued with Bruce Hecht as SSCS's representative on the Council.

Finally, President Van der Spiegel would like to keep SSCS membership dues for 2017 at the same rate as the current year (2016).

**Motion 3:** Motion to maintain SSCS membership dues at the current 2016 level for 2017. The motion was made by Jan Van der Spiegel, seconded by John Corcoran. Motion passed.

*Slide set: VanderSpiegel\_PresidentsWelcom\_9.9.16.pptx*

## 3. AGENDA

Jan Van der Spiegel

President Van der Spiegel presented the agenda for the meeting. No changes were proposed to the agenda.

## 4. PRIOR MEETING MINUTES

Mike Beunder

Mr. Beunder handled the passing of the meeting minutes from the previous AdCom meeting.

**Motion 4:** Motion to approve the minutes of the AdCom meeting of January 31, 2016. Motion made by Mike Beunder, seconded by Jan Van der Spiegel. Motion passed.

*File: Draft Minutes\_ISSCC 2016.pdf*

## 5. STRATEGIC GOALS DISCUSSION

Mike Beunder

Mr. Beunder presented the results of Q1-Q3 2016 strategic work. He covered in detail the first experiences and changes that were made to the strategy execution work. In particular it was recommended the Guardians maintain a more supervisory role and the support team members each execute one specific goal only to ensure that goals remain feasible.

**ACTION ITEM 1:** Circulate the full strategic plan to all AdCom members.

*Slide set: Beunder\_Strategy\_9.11.16.pptx*

## 6. TREASURER'S REPORT

Shekhar Borkar

Mr. Borkar reported on the final financial statement of 2015. Next he covered the 2016 budget which is now at \$4.6M with a spending at \$4.4M giving a net result of \$200K. Next Mr. Borkar covered the Year-to-date actuals which shows almost all financial KPIs on track. The SCS Dashboard was also shown which has the financial KPIs in it. Mr. Borkar concluded with the statement that no changes are needed, all things can progress as planned. A short discussion was held on the apparent underperformance of the conferences which is more due to the way the budget was determined (2015).

*Slide set: Borkar\_Treasurer Report\_9.9.16.pptx*

## 7. MEMBERSHIP COMMITTEE

Patrick Yue

Mr. Yue first presented the status for the full Division I which showed an increase of 2.4% in the membership where SSC was over-performing with a 2.8% growth. Key was the growth in student memberships. Mr. Yue presented a number of different cross sections of our membership where one of the surprises was the low number of female Fellow Members (5). Also surprising was 14% of our members are from University affiliation and 60% are from industry. Note: 24% of members did not specify their affiliation. This might be due to the limits on the way IEEE allows categorizing your background (in case you have a dual position). Mr. Yue highlighted some of the activities to increase the services offered to members as well as increasing the attractiveness of the Society membership such as continued education certificates, the Circuit Design contest and the creation of specific student recognitions such as "Active Student Member" and "Student Member Leader".

**ACTION ITEM 2:** Andreia Cathelin mentioned the student involved in the making of the VLSix should be recognized as part of this effort.

*Slide set: Yue\_Membership\_9.11.16.pptx*

8. EDUCATION COMMITTEE/DISTINGUISHED LECTURE PROGRAM Ali Sheikholeslami

Mr. Sheikholeslami first recognized the role of the Education Committee members. Next, he covered the 6 specific activities and initiatives as part of the Education Committee's efforts. The DL program is steaming ahead given that, as of this month, we already have had more DL talks (73) as compared to the whole of the previous year. As part of the Transparency efforts, the guidelines and process for DL's will be posted on the website. DL's are nominated for a 2-year term. Nominees must have a distinguished track record. So far 6 webinars have been produced. Next, Mr. Sheikholeslami covered the process of the making of VLSix driven by the success of the ISSCCx. Target post date for VLSix is October 2016. Also Mr. Sheikholeslami covered the Resource Center, a new "outlet" for SSCS with a 100% revenue share (as opposed to using the IEEE service).

Andreia Cathelin mentioned it should be assured that the video contents remain online accessible through the SSCS/IEEE website. If not, they will become available on YouTube and we lose the revenue associated with it. There was also a discussion around the ownership of the "x" talks where Kofi mentioned it is not logical that the conferences try to own it given that SSC pays for most of the work in creating the "x" talks.

**Slide set:** *Shekholeslami\_Education\_9.11.16.pptx*

9. CHAPTERS COMMITTEE Stefan Rusu

Mr. Rusu gave an update on the Chapter status. As of today, SSCS has 102 chapters. Recent additions (2) were from Hawaii and Sao Paolo. Mr. Rusu covered the regional distribution of the Chapters and the Chapters budget. An outstanding Chapter award for 2015 was given to the Benelux Chapter (Region 8) - Patrick Reynaert, Chapter Chair. Meeting schedule for Chapter Chairs from the different regions was covered as well.

**Slide set:** *Rusu\_Chapters\_9.11.16.pptx*

10. NOMINATIONS COMMITTEE Bill Bidermann/John Corcoran

Mr. Corcoran covered the activities for Mr. Bidermann. First, the new Industrial award was covered, no name for the award was set, a few were presented (including the Andy Grove Award). Schedule of realization is determined by IEEE, right now end of 2017 is targeted. Next the (President's) service award was covered. Schedule for this award was also covered, most likely to be mid-2018.

**Slide set:** *Bidermann\_Nominations.pptx*

11. CICC Ramesh Harjani

Mr. Harjani reported on the status of the conference, with focus on 2015 and 2017 (2016 was skipped by CICC due to calendar conflicts with other conferences). The 2017 conference will be held in Austin. Mr. Harjani presented the new setup. Focus of the conference will be on energy efficiency. Conference will flip between Austin and San Diego. CICC has hired a professional to design and maintain the website. Organizational and logistical details have all been settled for 2017.

**Slide set:** *Harjani\_Meetings\_CICC.pptx*

## 12. ISSCC

Ken O/Anantha Chandrakasan

Mr. O reported on the finals of ISSCC 2016 with 2,924 attendees which is down by about 200 attendees with respect to 2015. The number of submitted papers was also down with respect to 2015 (around 10%). ISSCC 2017 is expecting a surplus. The keynote speakers were covered as is a new setup/experiment for submitted paper review (double-blind review). Another initiative at the ISSCC will be the WIC (Woman in Circuits).

*Slide set: Chandrakasan\_Meetings\_ISSCC 2017.pptx*

## 13. ESSCIRC

Andreia Cathelin

Andreia Cathelin reported on the status of the conference specifically mentioning the signing of the MOU between SCS and ESSCIRC, making ESSCIRC a 100% financially SCS sponsored conference. This completes the discussions that have run over a few years. Also covered were the different keynotes (joint as well as the separate conferences, ESSCIRC and ESSDERC) and tutorials. Paper submission statistics were somewhat inflated through the effect of the absence of CICC. About 50% of the papers originate from Europe, the remaining are about half between North America and Asia. A more concerning development is the high degree of academic papers (80%) and should be addressed for next year. The committee has set a minimum limit of 10 reviews per paper. This is also an IEEE requirement for any paper going into the IEEE Xplore system. The average acceptance rate is below 40%. A discussion ensued on the paper submission deadlines as there are overlaps between the different conferences which impacts submissions.

At the end of this presentation, the MOU between ESSCIRC and SCS was signed by Jan Van der Spiegel, Andreia Cathelin and Willy Sansen.

*Slide set: Cathelin\_Meetings\_ESCIRC\_9.9.16.pptx*

## 14. MEETINGS COMMITTEE REPORT

Ken O

Mr. O reported on the global setting of all the SCS sponsored conferences, where ESSCIRC now becomes #5 on the list of key conferences supported and sponsored by SCS. Statistics were covered for the four conferences held in 2015/2016. Time was spent on covering the % of papers accepted which originated from NON-TPC members. The average hovers around 70-85%. The count is based on the primary author of the paper. Next the co-sponsored conferences (8) were covered.

**Motion 5:** Motion to allocate 6k additional amount for Student Travel Program for Symp. on VLSI Circuits in Japan, ESSCIRC and CICC. Motion made by Ken O, seconded by Kofi Makinwa. Motion passed.

Mike K. suggested that whoever gets a grant be asked to provide a "Trip" Report (e.g. What Did they get out of the conference?).

Steering Committee members were asked to develop proposals for one time improvement projects (\$10k-\$15k) that can be discussed in February.

*Slide set: Ken O.Meetings.pptx*

15. UNDERGRADUATE SCHOLARSHIP FUND/NEW TECH. FIELD AWARD PROPOSAL Bill Bidermann/Mike Kelly  
Mr. Kelly suggested we create a fund or holding account through the IEEE Foundation, but it would be a Society level fund. SSCS would have its own scholarship/awards fund. Monies would not be operational and could come from our reserves for our own purposes. A lot of paperwork is involved and the President will need to assign a Subcommittee or Task Force to get this done. The target for this is 2017. A straw vote indicated this should be pursued.

*Slide set: Kelly\_Bidermann\_Scholarship Fund Award\_9.11.16  
Kelly\_Bidermann\_TFA Creation\_9.11.16*

16. JSSC EIC REPORT Jan Cranickx  
Mr. Cranickx said JSSC is in good shape. It is ranked #4 by IEEE. Submissions are up by 10%. Browzine is up and running but there is no feedback yet. We have seven submissions for Short Papers, so far.

*Slide set: Craninckx\_JSSC\_9.11.16.pptx*

17. MAGAZINE ADVISORY COMMITTEE Rakesh Kumar  
Mr. Kumar reported the Magazine has changed its perspective from just Historical. Jake Baker is doing a good job as the EIC. In 2016, Miles Copeland won the Pederson Award. The JSSC 50<sup>th</sup> anniversary issue is coming along with a special feature by Dave Hodges and Dick Jaeger. In 2017, the winter issue will focus on ISSCC trends which will become a regular subject every other year. The spring issue will be a combination of the Pederson Award winner and ISSCC Tutorials. Or Tutorials will be moved to the summer issue. Looking at doing a special issue on women in engineering. Need assistance for 2018 issues. Mr. Kumar showed a list of topics being considered for 2018 issues. He would like members to volunteer to be the leads for some of these topics and/or recruit authors for writing articles.

**Motion 6:** Motion to approve page budget for SSC Magazine for 2017 of 400. Motion made by Rakesh Kumar, seconded by John Long. Motion passed.

*Slide set: Kumar\_Magazine Advisory Board\_9.11.16.pptx*



## 18. Publications Committee

John Long

JxCDC: John Long reported for Ian Young regarding JxCDC. JxCDC is an open access journal online only. Only a couple of issues have been published. Downloads have been high. Financially, the journal is strong and in the black. Downsides are the number of papers published is low compared to what is stated on the MOU. Ian plans to go through Steering Committee contacts to get more paper submissions.

RFIC virtual journal: This journal was not accessible to those outside of IEEE, but this problem has been resolved. Mr. Long reviewed the PRAC Review recommendations. The next PRAC Review will be in 2018.

T-BioCAS: SSCS is planning to become an additional co-sponsor with CASS and EDS. It was discovered, however, the journal was losing money. Before moving forward with co-sponsorship, SSCS will investigate this further in February 2017 to see if this problem will/can be turned around.

Design and Test Magazine: Bruce reported on the work being done to improve Design and Test and get it back on track.

**Motion 7:** To continue with MOU and to expand the role of Design and Test. Motion made by Bruce Hecht. Motion came from Committee, so does not need a second. Motion passed.

New Business: John Long reported they created a committee to develop marketing strategies for SSCS publications. The Committee includes all editors, Jake Baker, Rakesh Kumar, Jan Van der Spiegel, John Long and Mike Kelly. Other areas being looked into include adding to JSSC practices, encouraging the use of Browzine, putting tutorial papers online, making SSC Magazine only electronic and increasing marketing for JxCDC.

*Slide Set: Young\_JxCDC\_9.11.16.pptx  
Long\_Publications\_9.11.16.pptx*

## 19. AWARDS

John Corcoran

Mr. Corcoran provided Fellows Statistics which showed a decrease in nominations. He also reported on the PreDoctoral Scholarship Award. He is expecting 30 applications this year and to give out about 15.

*Slide set: Corcoran\_Awards\_9.11.16.pptx*

## 20. BIOMETRICS COUNCIL

Bruce Hecht

Mr. Hecht highlighted the Council's AdCom meeting at BioCAS. The Council produces two major Conferences – ISBA and BTAS. There is a new journal in development, IEEE Transactions on Biometrics. He also spoke about the Technical Member Value Adhoc Committee of which he is a member.

*Slide set: Hecht\_Biometrics Council\_9.11.16.pptx*

## 21. Circuits and Systems Society Report

Andre Vladimirescu

Mr. Vladimirescu reviewed the motions and actions made at CASS' latest BoG meeting. Publications activity, book on history of CASS, Committee activity, and the problem of Conference dates overlapping.

*Slide set: Vladimirescu\_CAS\_9.11.16.pptx*

## 22. YOUNG PROFESSIONALS (YP) COUNCIL REPORT

Emre Ayranci

Mr. Ayranci gave an overview of SCS YP's and potential ways to attract new members. He also discussed the YP events held at various conferences and reported receiving some positive comments from students regarding them.

*Slide set: Ayranci\_YP Report\_9.11.16 .pptx*

## 23. WOMEN IN ENGINEERING

Wanda Gass

Jan Van der Spiegel presented for Wanda Gass who was unable to attend the meeting. Jan reviewed the statistics of WIE, their accomplishments, networking events, and Committee representation. He also spoke of the plans for 2017

*Slide set: Wanda Gass\_Women in Engineering Report.pptx*

## 24. ADJOURN

Jan Van der Spiegel

The meeting was adjourned.

**Motion 8:** Motion to adjourn the AdCom meeting of September 11, 2016. Motion made by Jan Van der Spiegel, seconded by Andreia Cathelin. Motion passed (adjournment at 17:30).