

Minutes, Board of Governors
IEEE Council on Electronic Design Automation
June 3, 2012

This meeting was held at the San Francisco Convention Center, June 3, 2012, at 1:03 pm PDT.

Attendance:

President	Sciuto	Present live
President-Elect	Nassif	Present live
Past President	Kuehlmann	Present live
Secretary	Chang	Present live
VP - Conferences	Atienza	Present live
VP - Finance	Rawat	Present by Phone
VP - Publications	Sapatnekar	Present live
VP - Publicity	Gupta	Present by Phone
VP - Strategy	Joyner	Present by Phone
VP - Technical Activities	Phillips	Present live
Award	Yeh	Present live
	Darringer	Present by phone
APS	Vouvakis	Absent
CAS	Macii	Absent
CAS	Gielen	Present live
CS	Ivanov	Present live
EDS	Escobosa	Absent
SSCS	Ackland	Absent
SSCS	Tiwari	Present live
CANDE	Koushanfar	Absent
DATC	Alpert	Present live
DTC	Harms	Present live
TTTC	Singh	Present live
TTTC	Zorian	Present live
MTT	Odyniec	Present live
DAC	Groeneveld	Present live
DAC	Dunlop	Present live
DATE	Wehn	Present live
ICCAD	Henkel	Present live
T-CAD	Sapatnekar	Present live
D&T	Chakrabarty	Absent
ESL	Gebotys	Absent
	Madden-Wood	Present live

Minutes:

President Donatella Sciuto called the meeting to order at 1:05pm PDT. She thanked the Board members for their presence and for their help with CEDA. Because this was the first BOG meeting for the new 2-year-cycle CEDA officers, every attendee introduced herself/himself before moving to the agenda.

Donatella moved that the minutes of the November 6, 2011 meeting, previously submitted and revised, be approved. The motion was seconded by Sachin Sapatnekar and passed unanimously.

Conference. David Atienza presented slides for the following updates on Conference:

- Currently, CEDA has nine financially sponsored conferences/workshops. Among them, DAC and ICCAD are two core conferences, and the Computer-Aided Network Design Workshop is the only one fully sponsored by CEDA.
- Conferences projections look stable and healthy. IEEE has confirmed our initial projections for 2012. The main income is DAC, followed by DATE.
- CEDA currently also has nine technically sponsored conferences/workshops, with growth in different areas (formal methods, modeling, etc.). There is a main issue with the application to be a CEDA technically sponsored conference/workshop: It is complicated to have consistent applications (different information from each organizer, unclear about what to provide to CEDA, etc.). So David has created a template form to help organizers and for CEDA to evaluate.
- With the help of Gi-Joon Nam, only five CEDA sponsored conferences are still open at present. There is no fee charged to CEDA if a conference/workshop is closed within 12 months from conclusion, and so far no charge is incurred.
- David is preparing a brief explanation of different steps required to get the approval of the CEDA sponsorship to prevent issues from joint sponsorship procedures (e.g., ACM/IEEE or even within IEEE due to multiple bodies), and will post the document on the CEDA website. David is working on the review of the CEDA sponsoring procedures for conferences and workshops to simplify the overheads within CEDA. Organizers would get bad impression if IEEE responds too slowly; for the example of NOCS 2012, its organizers submitted MOU on June 8, 2011, and was not approved until April 12, 2012. So there are two action items for this issue: 1) make sure that CEDA is informed of any MOU submission by all sponsored conferences, and 2) discuss with IEEE and ACM headquarters to clarify this issue.
- David mentioned that there is increasing interest in having “online” proceedings during a conference (request from DAC and DATE), and it is desirable that such online proceedings point to Xplore.

DAC Report. Al Dunlop and Patrick Groeneveld presented slides for the report on DAC.

- The current missions of the DAC TPC are to maintain DAC’s reputation as the #1 conference in EDA, to expand DAC’s scopes into emerging/adjacent areas, and to establish DAC as a focal point for entire EDA and ESS ecosystems.

- The current DAC program components consist of “bottom-up” technical program (such as Research manuscripts, Perspective articles, work-in-progress papers, user tracks) and “top-down” technical program (such as special sessions, panels, keynotes).
- DAC will be in Austin next year which will be 50 the anniversary. Any comments for making it a successful event are welcome.

DATE Report. David Atienza presented slides for the report on DATE. He thanked Lothar Thiele and Donatella for their help with the slides.

- CEDA is now the sole IEEE sponsor. DATE is currently financially healthy, with a significant surplus of 27K Euro in 2012.
- The number of DATE submissions in 2012 was increasing, especially with a 37% increase in embedded system software.
- DATE will be more focused on locations where significant local support and/or sponsorship is available, continue with its strength in technical program, and try to separate finances for exhibitions and technical programs.

Technical Activities. Joel Phillips presented slides on Technical Activities.

- CEDA Distinguished Lectures: Mark Horowitz will give a distinguished lecture on “Digital Analog Design” at DAC, and those for ICCAD and DATE are to be announced.
- DAC Young Faculty Workshop: The workshop is co-sponsored by CEDA, ACM/SIGDA, NSF, etc. and receives strong registrations.
- Works in progress: The alpha-version of the platform of the CAD “Grand Challenges” website has been constructed, and its beta-version is under development now. Currently, CEDA has chapters in Benelux, Brazil, Taiwan, and Tunisia, those for China and Central Texas have been approved, and more chapters are expected to be established in 2012.
- Contest: Joel will continue some discussions with related people on the contest proposal, especially its formal procedure within CEDA and IEEE.

Joel has also identified three major tasks for 2012: continue the distinguished lectures program and expand it to DATE, improve chapter interactions, and revisit the e-Learning program.

Awards. David Yeh presented slides on the awards updates, including the new Awards Committee, the CEDA Fellow Committee, the Phil Kaufman Award, the Pederson Award, the Newton Award, the Early Career Award, the Distinguished Service Award, Outstanding Service Contribution, and the McCalla Award. Unfortunately, there is no nomination for the 2012 Distinguished Service Award. ICCAD 2011 initiated an award named “Ten-Year Retrospective Most Influential Paper.”

Finance. Shishpal Rawat presented slides on Finance. He reported that we had a \$119K surplus for 2011 (despite special charges of \$104K). CEDA also had good financial results with reserve at \$955K in 2011, and the projected 2012 surplus of \$83K will carry CEDA over the \$1M assets by the end of 2012. CEDA will continue to sponsor events at DAC and ICCAD, with two new

sponsorships for DATE (\$10K for 2013) and ASPDAC (\$20K). For 2012, the budget forecasts are not finalized yet, and suggestions on the forecasts are welcome. The budget input cycle for 2013 has begun, with the IEEE guidelines of 4% revenue growth and 1% expense growth. There are some minor changes, including higher travel expenses (DAC in Austin 2013), publicity beyond press releases, expenditure for Web/IT revamp, reserve for sponsored conferences (besides DAC, ICCAD, DATE), and higher TCAD budget from \$2020 to \$2100.

Strategy. Bill Joyner presented slides by phone on Strategy, including charge to the committee, strategy committee members, and past and future activities for 2012. The committee had an initial conference call, focusing on CANDE and Status of CEDA. The outcomes are two-fold: 1) The committee recommended that CANDE could reclaim a role as the forum for describing the problems and opportunities in EDA, and that CANDE could learn from the DATC and DTC about successful ways of operating and about overlaps and gaps. 2) The committee reaffirmed position that CANDE has an important role in the EDA community and should not be merged with other CASS committees.

For 2012 future activities, the committee will schedule calls focusing on other member committees and councils, assure that joint technical committees and councils are recognized by other societies, receive input on future status of CEDA, and revise strategy document submitted to the 2011 IEEE council review.

There were also discussions on whether CEDA should be changed into a society. Some opinions were raised and discussed, including 1) CEDA had just gone out of probation, and we should not go for society too soon, 2) we need to draw a broader vision beyond EDA alone if we go for the move, 3) we might lack volunteers to do the work because EDA is a small community (there were also different opinions on this point), 4) changing to society would not solve the problem we have now, 5) CEDA currently plays a good role in handling cross society issues, etc. No decisions were made, and the strategy committee will work on this issue in the future.

Publication. Sachin Sapatnekar presented slides on Publications:

- TCAD is running very smoothly, with a reasonably good impact factor, short submit-to-online post delay, etc., compared with other related journals; its recent 3D IC special section received overwhelming responses with 34 submissions, and the best paper award will be given out Tuesday at DAC.
- ESL is also running smoothly with good special issues.
- There are a few issues about Design and Test of Computers (D&T) which is stabilizing now, including printing delays, editorial support, and EiC search.
- There are two major problems with Currents: same contents to online and D&T versions and lack of contents. Resolutions have been made to cope with the problems. Sachin asked EC/BOG members to respond to Jose Ayala's emails to add more contents.
- Sachin listed a few upcoming goals/initiatives, such as improving subscriptions, impact factors, D&T revenue stream, EiC & Editorial Board support, etc.

Publicity. Rajesh Gupta mentioned two major issues on publicity by phone: press releases and CEDA website. The committee will try to solicit inputs on website and to solicit advertisers for D&T. There were also discussions on the issues of getting volunteer, expenses for publicity, etc.

DTC. Thomas Harms presented slides for the Design Technology Council. Over the past 12 months, the DTC worked with EDA vendors in 2 study groups to discuss technical requirements in functional verification and digital implementation design flows with focus on timeline for next 12 to 18 months. These activities brought the DTC member companies closer together by establishing a common set of requirements, but responsiveness from EDA vendors was somewhat lacking. There were some discussions on how to leverage the experiences from these activities and turn them into a highly interactive and bidirectional exchange of requirements and information moving forward.

CANDE. Slides were included but no representative was present.

CS. Andre Ivanov represented the Computer Society. He mentioned some interactions between CS and CEDA communities, and welcomed any comments/suggestions on future engagement among CS, CEDA, and other technical committees for him to bring to the CS BOG meeting next week. Andre also mentioned some current issues for CS on budgets, volunteers, and conference expectation. Donatella commented that CEDA does not impose any additional requirement for CS on conference and would like to seek for some common ground to work together and go forward. Al mentioned that some future joint sponsorship for conferences can be explored.

DATC. Chuck Alpert represented the DATC. He reported three updates: 1) He will work with Donatella (co-chair) on the 50th DAC in Austin, and welcomed any suggestions on DAC. 2) DATC will try to get more circuit design people involved with DATC's activities and (hopefully) work with design automation and test people more closely. 3) DATC will also help with contests and encourage benchmark releasing/publication to help the community. Donatella suggested that Chuck work with Joel on contests.

MTT. Michael Odyniec presented slides on MTT activities. He reported on the MTT conference status, scopes, and trends. MTT has very successful distinguished lecturer program with only 3-4 lecturers appointed each year (among 20 candidates in 2011). Michael also reported the MTT conference in Montreal, the first time outside the US, and the MTT-CEDA interdisciplinary workshop. Issues on how to increase the interactions between MTT and CEDA were also discussed.

SSCS: Vivek Tiwari presented for the Solid State Circuit Society. There is a continuing concern about declining membership in SSCS (5% per year during the past 8 years); nevertheless, its

financials are still strong. Vivek also reported on the new title and scope (including circuits) of Design & Test Magazine (with CAS and CEDA).

CASS: Georges Gielen presented for the Circuits and Systems Society. CAS has tremendous dynamics with more than 100 chapters organized into regions (and the number of chapters is increasing). For conferences, ISCAS is the Flagship conference, there are quite a few other successful regional conferences, and multi-disciplinary conferences are considered. The new Journal on Emerging and Selected Topics in Circuits and Systems (JETCAS) had a good start. For distinguished lecture program, CAS currently has about 20 distinguished lecturers.

TTTC. Adit Singh and Yervant Zorian represented TTTC. TTTC has about 30 events (conferences), and ITC is the Flagship conference (with three collocated workshops). The current challenge mainly lies in the bigger conference overhead imposed by the CS Society, which causes more significant problems for smaller workshops/conferences. With the higher overhead, TTTC has a smaller budget to serve its members. Donatella suggested to discuss this issue at the Strategy Committee.

Open discussion: Al explained the current organizations and execution of IEEE societies, councils, and committee meetings, IEEE financial status, and issues on open journals. Strategies on coping with these trends for the best benefit of CEDA were discussed.

The meeting was adjourned at 4:50 pm.

Yao-Wen Chang
Secretary