DRAFT
Minutes, Board of Governors
IEEE Council on Electronic Design Automation
November 4, 2012

This meeting was held at the San Jose Hilton, November 4, 2012, at 1:03 pm PST.

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 live
VP - Publications	Sapatnekar	Present live
VP - Publicity	Gupta	Present by Phone
VP - Strategy	Joyner	Present live
VP - Technical Activities	Phillips	Present by Phone
Award	Yeh	Present live
	Darringer	Present by phone
APS	Vouvakis	Present live
CAS	Macii	Absent
CAS	Gielen	Absent
CS	Ivanov	Absent
EDS	Escobosa	Present live
SSCS	Ackland	Absent
SSCS	Tiwari	Present live
CANDE	Koushanfar	Absent
DATC	Alpert	Absent
DTC	Read	Present live
TTTC	Singh	Present live
MTT	Odyniec	Absent
DAC	Zorian	Present live
DAC	Groeneveld	Present live
DATE	Wehn	Present live
ICCAD	Henkel	Present live
T-CAD	Sapatnekar	Present live
D&T	Ivanov	Absent
ESL	Gebotys	Absent
	Reis	Present live
	Steen	Present live

Summary of Actions

Motion: To approve that ARM joins the DTC. Made by Donatella, seconded by Kuehlmann, and passed unanimously 15-0.

Minutes:

President Donatella Sciuto called the meeting to order at 1:05pm PST. She thanked the Board members for their presence and for their help with CEDA. Every attendee introduced herself/himself before moving to the agenda.

Shishpal Rawat moved that the minutes of the June 3, 2012 meeting, previously submitted, be approved. The motion was seconded by David Atienza and passed unanimously.

Conference. Donatella and David presented slides on Conference.
● Currently, CEDA has nine financially sponsored conferences/workshops. Conferences projections look stable and healthy. IEEE has confirmed our initial projections for 2012. The main incomes are from DAC, followed by DATE. Donatella mentioned the issue that CEDA currently depends too heavily on the DAC revenue for its income; sustainable strategies by not relying on DAC's revenue too much in the future were discussed.
● 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 organizers, 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 one CEDA sponsored conference is 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, but 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.
● Issues on financially sponsoring ASP-DAC were also discussed. CEDA has technical sponsorship for ASP-DAC since 2012, and we would like to move it to financial sponsorship. Currently, each of IEEE CAS and ACM SIGDA has 25% sponsorship for the ASP-DAC's held in Japan and 50% sponsorship for those held outside Japan. ASP-DAC has a bylaw of having equal sponsorships from IEEE and ACM. David is working with the ASP-DAC Steering Committee and Yao-Wen to change the bylaws of ASP-DAC at the coming ASP-DAC in

January 2013 to include CEDA by modifying the bylaw as "equal sponsorship for IEEE (CASS and CEDA) and ACM (SIGDA)." However, this modification, if feasible, will only be valid from 2015 due to its earlier MOU with CAS and SIGDA. So Sani and David suggested that we should not give any financial contribution to ASP-DAC before the issue on the financial sponsorship is resolved.

ICCAD Report. Joerg Henkel presented slides for the report on ICCAD.
- It is the 30th anniversary this year. So some special events such as lunch keynotes and a panel were organized for the celebration.
- A physical TPC meeting was held right before DAC in San Francisco, after skipping such physical TPC meetings for two years.
- Totally, 338 papers were submitted and 82 papers accepted, making the acceptance rate only 24%, which is lower than those of previous years. Among the submitted papers, 59% of them are from North America, 30% from Asia, 9% from Europe, and 2% from other regions. The program consists of 40 technical sessions, including 24 regular paper sessions, 13 tutorial/special sessions, 3 designers' perspective sessions, one panel, and three keynotes.
- As of today, the number of registrations is 359, not counting the on-site ones. So we expect a higher attendance than those in the past two years. The estimated surplus is around $21,000.

DATE Report. Norbert Wehn presented slides for the report on DATE.
- CEDA is now the sole IEEE sponsor. DATE is the flagship European event with exhibit component and on solid growth path. It is currently financially healthy, with a significant surplus of 27K Euro in 2012 (and projected 24K Euro in 2013).
- DATE 2013 has four tracks with 15 topics in Design, methods and tools (D), 7 topics in Application (A), 5 topics in Test and DFM (T), and 5 topics in Embedded software (E).
- DATE 2013 has a record high of 1002 raw submissions, a 9% increase compared to 2012. Overall, 829 final submissions were reviewed and 302 papers accepted, including 136 long papers, 70 short papers, and 96 papers for interactive presentations. Among the submitted papers, 43% of them are from Europe, 26% from North America, 25% from Asia, and 6% from other regions.

DAC Report. Patrick Groeneveld presented slides for the report on DAC.
- DAC 2012 was held in San Francisco, attracting 7377 attendees.
- It is financially healthy, with a significant surplus of $386,344.66 (CEDA gets 1/3) in 2012 (Income @ $3,545,511.25, and expenses @ $3,159,166.59). It is higher than originally projected, mainly due to some cost down for trade show.
- The acceptance rate for regular papers was kept at low 20% to maintain the high quality of the technical program. To attract more attendance, however, there were more poster presentations such as designer's tracks and work-in-progress sessions.
- DAC 2013 will be held in Austin. The budget is in process to get approved. Because it is the 50th anniversary, so there would be adjustment to make its expenses flexible.

- Patrick proposed to adjust the Professional Development (PDF) Program to foster next generation and also get return on investment for DAC. Totally, $54,250 was managed by past chair, including $24,250 for the Richard Newton Graduate Scholar, $10,000 for the P.O. Pistilli Scholarship, and $20,000 for **Y**oung **S**tudent **S**upport **P**rogram (YSSP, with 30-40 travel grants). Patrick proposed to keep the P.O. Pistilli Scholarship and discontinue graduate scholarship and combine that with YSSP (total $44,250) into the Richard Newton **Y**oung **S**tudent **S**upport **P**rogram with awards and travel grants (about 80) for DAC 2013. Patrick also proposed to structure the program to invite graduate students to be ambassadors for DAC.
- Yervan Zorian mentioned that DAC is working on getting representatives from 50 countries and more special activities are under planning.

David and Donatella concluded that the trends of EDA conferences are stable on conference revenue (with slightly growing trends in attendees), and CEDA will keep growing in main EDA conferences and emerging fields and try to help sponsored conferences (e.g., via developed manual guidelines for conference organizers and improving cooperation with ACM SIGDA).

Finance. Shishpal Rawat presented slides on the budget updates.
- For 2011, the budget was closed with $126K net surplus.

- For 2012, it is trending to have only $15K net income, instead of originally planned $83K, mainly because of lower projections from meetings/conferences and an unplanned $25K expense (as per 2012 plan) for WEB infrastructure improvement. Recent DAC close shows that this projection will be revised upwards by roughly $35K.

- 2013 plan calls for a 4% growth projections and 1% expense increase; the net surplus is projected at $135K (considered a high risk as DAC moves to Austin for 2013) For the 2013 plan, we will ensure key initiatives (DAC lectures, awards, contests, DAC workshop etc.) in place, increase TCAD page budget from 2020 pages to 2100 pages. Also, the expenses for DAC 2013 could be higher because of the travel to Austin. Shishpal mentioned three focal areas for 2013: strengthen conferences and publications, improve/expand CEDA presence in our community (web & publicity), and tight control on expenses.

Technical Activities. Joel Phillips presented by phone on Technical Activities: 1) CEDA Distinguished Lectures: Alberto Sangiovanni-Vincetelli will deliver a special lecture for the ICCAD 30th anniversary (Mark Horowitz talked on "Digital Analog Design" at DAC, and the DATE-2013 one will be with lunch + lecture format). (2) DAC Young Faculty Workshop: The workshop was co-sponsored by CEDA, ACM/SIGDA, NSF, etc. and received strong registrations. 3) Contests: CEDA gave a small financial support for the DAC Placement contest, and technically sponsors the new ICCAD Contest which looks going well. 4) "Conference Cross-fertilization:" A conference "cross-fertilization" initiative of attempting to organize series of special sessions between MTT/APS and EDA conferences was reported. 5) CAD "Grand Challenges" Website: The alpha-version of the platform of this website was constructed in Spring 2012, but the organizers still need to solicit domain experts to get more contents. 6) CEDA Chapters: Currently, CEDA has chapters in Benelux, Brazil, Central Texas, China, Taiwan, and Tunisia, with the Central Texas led by Zhuo Li and helped by Sani being the most active chapter.

Awards. David Yeh presented slides on the awards updates, including the new Awards Committee, the CEDA Fellow Committee, the Phil Kaufman Award, the McCalla Award, the Pederson Award, the Newton Award, the Early Career Award, the Distinguished Service Award, and Outstanding Service Contribution. Unfortunately, there is no nomination for the 2012 Distinguished Service Award. There were also discussions on the issues of joint certification of appreciation by CEDA and SIDGA to the general and TPC chairs of CEDA- and SIGDA-sponsored conferences, the future McCalla Awards, and the Kaufman Award (whose nomination will be due January 31st, 2013 and presentation at DAC).

Publication. Sachin presented slides on the status of publications as follows: 1) The Publication Committee is preparing materials (e.g., documentation and statistics) for the coming PRAC (Publications Review and Advisory Committee) review for TCAD and ESL (the review has been postponed due to Hurricane Sandy, though). 2) The performance metrics of TCAD look good, with a reasonably good impact factor, short submit-to-online post delay, etc. 2) ESL is also running smoothly with good special issues and performance metrics. 3) D&T just selected a new editor-in-chief, Prof. Andre Ivanov of University of British Columbia, for a two-year term effective January 2013. 4) The two major problems with Currents, same contents to online and D&T versions and lack of contents, have been resolved. The former was resolved by separating online and D&T versions, while the latter was handled by pinging key CEDA personnel for providing activity updates, award information, etc.

Strategy. Bill Joyner presented slides on Strategy. The Strategy Committee recommended not to pursue society status at this time. The committee makes this recommendation mainly because the current Council status seems to be working well. Bill summarized the detailed pros and cons, and he thanked the BOG, EC, and Strategy Committee members for all the helpful inputs and Jayne Cerone and others at IEEE for providing precious data on councils/societies. The Executive Committee concurred with the recommendation of the Strategy Committee.

Publicity. Rajesh Gupta presented by phone on Publicity. He reported issues on the website redesign project with its goals at better networking with related people, CEDA product promotion, and contest management for internal communications. He mentioned the current actions and progress on website: The respective due and closing dates for RFP's are October 26 and November 15th, and two proposals from Electric Vine (Drupal on LAMP) and D2 (Joomla! On LAMP) were submitted out of six interviewed potentials, with quotes ranging from $50K to $600K. Kristin Steen has put together a detailed comparison sheet. Inputs on the proposals and other options are welcome.

DTC. Bill Read presented slides for the Design Technology Council.
- Bill reported the 2011-2012 focus on vendor gap analysis. DTC has identified and prioritized gaps and requirements (such as digital Implementation and functional verification) and reviewed the results with EDA vendors as a group and in individual meetings. The information was useful to EDA vendors, but it was too near-term to affect

their current roadmaps---vendors' 12-18 month roadmaps are mainly dominated by current development and user requests.

● Bill also reported the 2011-2012 focus on EDA roadmap needs. The 2-5 year needs of the semiconductor and system design communities mainly lie in scalability of tools, methodology improvements for complexity, performance, power, etc., and new functionality. The EDA tool roadmap needs to consider the ITRS, and benchmark designs are needed for EDA vendors. DTC will have the next meeting with EDA vendors on November 5, 2012 to discuss issues on the EDA roadmap.

● For 2012-2013, DTC will continue to recruit new members. ARM has requested the DTC membership, and DTC members have approved the request. To complete the process, DTC requested CEDA BOG approval. Donatella moved that ARM joins the DTC be approved. This motion was seconded by Kuehlmann and passed unanimously 15-0. In addition, DTC is exploring synergy/cooperation with EDA standards organizations, e.g., align interests in new standards and make technical contributions to new standards.

CANDE. No representative was present.

CS. No representative was present.

DATC. Donatella presented for Chuck Alpert on the DATC. The Computer Society (CS) expressed that they are no longer interested in DATC. As a result, all DATC activities sponsored by CS should be moved to be under CEDA. Starting January 2013, DATC will be under CEDA alone. Our CEDA will need to determine the future role of DATC, DATC conference/workshop sponsorship, etc. For example, EDPS would be financially sponsored by CEDA next year. Bill Joyner will invite key people to discuss the future strategy on DATC.

MTT. Donatella presented for the MTT (slides, sent by Michal Odyniec, were included). Odyniec particularly mentioned to Donatella that IMS was well attended. Other information on conferences, DMLs, etc. is as usual. MTT and CEDA have initiated interdisciplinary special sessions/workshops such as AMS Design Automation (July 2011), DAC 2012, etc.

SSCS. No updates were reported on SSCS. (Vivek Tiwari was present.)

APS. Marinos Vouvakis presented slides on APS.
● Antennas and Propagation Society is among the oldest IEEE societies, with about 8000 members and 109 chapters. The current president is Dr. Steven Best (MITER Co), and president elect Dr. Tervor Bird.

● The society currently owns three publications: IEEE TAP, IEEE Antennas and Wireless Propagation Letters, and IEEE Antennas and Propagation Magazine.

● IEEE Antennas and Propagation Intern. Symp. is the main revenue source for APS; the symposium is held every summer (late June early July), with the number of registrations

about 1500-2000. APS is financial sponsor of at least 15 international and regional conferences, and technical sponsor of at least 50 conferences.

- APS offers distinguished lecture program to provide high-quality speakers to chapters, with 10 distinguished lecturers, each serving a 3-year tenure. APS also gives awards such as IEEE technical field award (electromagnetics), distinguished achievement award, distinguished educator award, transactions, letters, and magazine awards, etc.

- With the help of Joel Phillips, APS has started to collaborate with CEDA for joint activities such as a conference special session at ICCAD 2012; the goal is to bring together researchers for the two disciplines to increase visibility of CEDA and APS, explore new research opportunities for council/society members, and learn & cross-pollinate best research/administration practices. The next joint special session will be held at IEEE AP Symposium 2013. Vouvakis called for CEDA's help for future collaboration.

EDS. No updates were reported on EDS. (Arturo Escobosa was present.)

The meeting was adjourned at 5:20 pm.

Yao-Wen Chang
Secretary