

CEDA Executive Committee Meeting
24 March 2024 | 9:00 AM - 4:00 PM CET

Attendees: Cristiana Bolchini, Ibrahim Elfadel, Georges Gielen, Jiang Hu, Gi-Joon Nam, Ian O’Connor, Sri Parameswaran, L. Miguel Silveira, Elena-Ioana Vatajelu, Qi Zhu

Virtual: Aparna Dey, Tsung-Yi Ho, Iris Hui-Ru Jiang, Bei Yu

Staff: Laura Paul

The meeting was called to order at 9:08 AM CET. The roll was called and introductions were made.

MOTION: Gi-Joon Nam moved to approve the February 2024 EC meeting minutes as written. Cristiana Bolchini seconded. Motion passed.

MOTION: Gi-Joon Nam moved to approve the March 2024 EC meeting agenda as written. Cristiana Bolchini seconded. Motion passed.

President’s Message - Silveira

Board of Governors Engagement

Miguel shared plans to increase engagement with the BoG. Several societies asked to appoint a secondary, non-voting representative to the BoG on a trial basis. If this secondary appointment trial goes well, this change will need to be reflected in the bylaws. No bylaws update is needed during the trial period.

Miguel met with the Computer Society’s Executive Director to clarify the role and expectations of the member society representatives.

Additionally, Laura will send a welcome email to the member society representatives to share initiatives and activities, BoG meeting dates, and important Council information.

ACTION ITEM: CCLLC to send a welcome email to the member society representatives.

Bylaws

Several outstanding bylaws updates are needed to clarify existing processes.

ACTION ITEM: CCLLC to add bylaws updates to the April EC agenda.

Division I Engagement

During the Division I meeting at the TAB meeting series in February, Division I Director Yong “Peter” Liam shared the goal of increasing activity and coordination between the societies and councils of the division. Division I is comprised of CEDA, Nanotechnology Council, Circuits and Systems Society, Electron Devices Society, and Solid-State Circuits Society.

CASS offered to organize a Division I meeting in Singapore during ISCAS (19-22 May). This event will also commemorate CASS’s 75th anniversary. Cristiana will represent CEDA at this meeting and engage with the other Division I representatives to discuss opportunities for collaboration, specifically in actions targeting prospective high school and early university students.

CASS's proposed student activities align with current CEDA, SSCS, and EDS efforts, so there will be opportunities for collaboration here.

CEDA needs representation at the meeting in May. Most CEDA participants are members of the other Division I OUs. In addition to Cristiana, Georges, Sri, and Abe may attend.

ACTION ITEM: EC members who are interested and available to attend ISCAS, please confirm your attendance with Miguel.

Publicity - Silveira

CEDA activities and events are not, in many instances, visible enough to the public. Even though events and conferences may be well known and attended, the attendees likely do not know CEDA is the main sponsor (ex. DATE, DAC). This hinders the promotion of existing and new events and initiatives for CEDA.

Discussion was held regarding best practices in promoting CEDA and the Student Travel Grant Program. The CEDA CAT2 website will be live soon. When it launches, CEDA needs to utilize the website more productively and increase the amount of current content being released. Additionally, CEDA needs to be more active on social media.

General CEDA overview brochures and student travel grant inserts should be circulated at conferences and other in-person events. Funding is underutilized in the Student Travel Grant Program. Gi-Joon shared that the program had a budget of \$20,000 in 2023 and \$10,000 was not spent. \$30,000 is budgeted for this program in 2024. CEDA needs to reach as many students as possible.

Several conferences have their own student grant programs which does not encourage the conference organizers to promote CEDA's grant program. CEDA needs to better advertise that this funding is available and be proactive in providing the funds to students. Pushing social media posts regarding this initiative will be helpful.

ACTION ITEM: Iris Hui-Ru Jiang to provide CCLLC with a short write-up regarding the Student Travel Grant Program to include in CEDA's next newsletter.

ACTION ITEM: CCLLC to create social media posts and include Student Travel Grant Program information in the CEDA newsletter immediately preceding each flagship conference.

Discussion was held regarding implementing additional requirements related to publicity for the travel grant awardees.

ACTION ITEM: Miguel Silveira, Sri Parameswaran, Qi Zhu, and Iris Hui-Ru Jiang to review the student travel grant requirements and hold further discussions by email regarding potential adjustments to be made to the Student Travel Grant Program.

ACTION ITEM: Miguel to discuss CEDA visibility with flagship conference organizers.

Credentials

Miguel presented a new digital service that IEEE provides for professionals and students. Certificates and digital badges are verifiable electronically and can be used to provide additional visibility of CEDA. The program is low cost at \$5 per certificate.

These certificates and digital badges have become popular among young professionals to share online, which supports the publicity of CEDA and increased engagement. Events seeking certification or badges need to be registered in advance. Then the event organizers and CEDA provide the design and list of learners, and IEEE produces the certificates and badges and sends them electronically.

MOTION: Gi-Joon Nam moved to approve providing digital badges and certificates via the IEEE program for the DAC Young Fellows program for an estimated maximum cost of \$1,000.00. Sri Parameswaran seconded. Motion passed.

ACTION ITEM: Miguel to work with Young Fellows Program organizers to design a certificate/digital badge for the DAC Young Fellows program.

AI Coalition

IEEE is soliciting OU representatives to this coalition to work collaboratively to assess all of the areas in which artificial intelligence could be relevant and where IEEE members have expertise.

Miguel made an AdHoc appointment for Aparna Dey to be the CEDA representative for this coalition. Miguel and Aparna will discuss next steps offline.

ACTION ITEM: Aparna Dey to provide a status update on the IEEE AI Coalition project during the BoG meeting at DAC.

Strategy - Gielen

Georges shared strategic priorities for the next two years, including increasing the value CEDA participants are receiving by providing more online programming with conference tutorials and webinars, expanding targeted programs for students and young professionals, and improving CEDA visibility.

Discussion was held regarding paid Council membership versus the existing, free participation, and hosting paid versus free content. All CEDA content is free at present, so there are limited incentives to join when the content is free. Adding additional content to the website, resource center, and social media, unique to CEDA, would be a good step forward. New content ideas include interviews with Kaufman, Kuh, and Newton award winners, discussions surrounding each award's historical perspective, the history of design automation, and other educational webinars.

ACTION ITEM: EC members to bring forth nominees during DAC BoG meeting to lead the initiative of gathering existing and creating new content for CEDA publicity channels.

Discussions were held regarding organizing competitions and workshops at flagship conferences.

TY is the Workshop Chair for ICCAD 2024 and shared that there will be a new design automation workshop at this year's conference.

Georges shared that the 20th anniversary of CEDA will be in 2025 and the Council needs to start planning events and highlights now.

ACTION ITEM: CCLLC to add CEDA 20th Anniversary to the April EC agenda.

ACTION ITEM: EC members to bring forth 20th Anniversary celebration and publicity ideas to the April meeting for discussion.

Conferences - Ho

From December 2023 to March 2024, CEDA has approved financially sponsoring 15 conferences and technically sponsoring six conferences.

The IEEE International Workshop on LLM-Aided Design (LAD'24) will take place on 28-29 June at IBM Research in Almaden, California. There is a high potential for success because interested parties will already be in town for DAC.

Current Conferences Reps:

- ASP-DAC - Kazutoshi Wakabayashi
- DATE - Cristiana Bolchini
- DAC - Gi-Joon Nam and Miguel Silveira
- ESWEEK - David Atienza
- ICCAD - TY Ho

TY has been the ICCAD conference representative since 2013. It is time to appoint someone new.

MOTION: Tsung-Yi Ho moved to approve Jiang Hu as the 2024-2025 International Conference on Computer-Aided Design (ICCAD) Representative. Gi-Joon Nam seconded. Motion passed.

ACTION ITEM: Miguel Silveira to ask David Atienza to continue serving as ESWEEK conference representative.

ACTION ITEM: Miguel Silveira to invite all flagship conference representatives to attend and present in person at the BoG meeting at DAC.

All conference representatives and publication editor-in-chief should be attending and presenting at the BoG meetings.

Publications - Silveira (Henkel)

TCAS-AI

The first issue will launch in September 2024 with Yiran Chen as EiC. David Atienza will serve as Associate EiC as this publication has an important relationship with TCAD. Additional AEs from CEDA are X. Sharon Hu, Qi Zhu, Ibrahim Elfadel, and Ian O'Connor. The website is being built, the editorial board is being finalized, and contributions are being solicited.

T-SPI

The CEDA representative for T-SPI is Luca Daniel. The 2023 submission numbers were very low.

ACTION ITEM: Miguel Silveira and Joerg Henkel to discuss T-SPI submission numbers with Luca Daniel.

TCAD

David Atienza will remain EiC. Acceptance rates have decreased and decision time has improved. Removing the backlog has been a high point of focus for Q1 2024.

Finances surrounding journals have changed because IEEE has revised the charging policy to charge as soon as papers are approved and available on Xplore, instead of waiting for them to be published. This change does not affect the amount being charged.

The Editorial Board was renewed in 2024 with a focus on DEI. The Editors-at-Large are 40% women, Region 10 has higher representation, and four industry-affiliated AEs have been added.

[ACTION ITEM: Miguel Silveira and Deming Chen to discuss TCAD Best Paper status with David Atienza.](#)

Limited discussion was held regarding the TCAD 40% rule. Miguel advised that waiting to have a more thorough discussion in person at DAC with David Atienza present would be more beneficial.

[ACTION ITEM: CCLLC to add TCAD 40% Rule to DAC meeting agenda.](#)

ESL

The new EiC is Aviral Shrivastava. ESL has the fastest decision time in all of IEEE. Aviral's goals are to increase the submission rate to 1000 and the impact factor to 4 by 2028, and be able to promise the submitting authors a one-month review cycle.

D&T

The EiC is Partha Pande. Six special issues were published in 2023. Three special issues are currently planned for 2024. The goals for 2024 are to increase the quality and submission rates of general interest papers and decrease the turnaround time for editors' notes on accepted papers.

[ACTION ITEM: Miguel Silveira to discuss moving ESL to a bimonthly publication with Joerg Henkel.](#)

Young Professionals - Jiang

Iris is the new Young Professional Coordinator for 2024. Several YP events are scheduled for 2024 in collaboration with SIGDA. CEDA and SIGDA will swap the lead role for each event.

- PhD Forum at DAC
- 24th ACM SIGDA/IEEE CEDA University Demonstration
- Early Career Workshop
- DAC System Design Contest

Submissions will open soon for the PhD Forum event at DAC.

The meeting was called to a recess at 12:31 PM CET.

The meeting was called back to order at 1:22 PM CET.

Initiatives - Zhu

IEEE Smart Cities Initiative

The 2023 IEEE Smart Cities Conference had a deficit of over \$9,000 in 2023 and the committee has asked the partner organizations to help pay it. In 2024 the Smart Cities Initiative is changing to a Technical Committee, so the books must be zeroed out.

ACTION ITEM: Miguel Silveira, Qi Zhu, and Ian O'Connor to meet while onsite at the DATE conference regarding the outstanding IEEE Smart Cities Conference (ISC2) payment request and sponsorship consideration moving forward.

Qi presented potential initiatives with connections to CEDA that can be developed through existing Technical Communities. There are several opportunities for collaboration and special sessions at CEDA flagship and member society conferences.

ACTION ITEM: Qi Zhu to contact the Computer Society and inquire about the process for nominating a representative from CEDA to the existing Technical Communities.

Publicity - Parameswaran

Laura shared potential promotional items for CEDA to consider distributing at conferences.

Sri shared ideas for potential new content for publicizing the Council, including interviews with the EiCs, Distinguished Lecturers, and Conference Chairs. Laura noted that CCLLC can assist with scheduling interviews, video editing, and adding content to the website and social media, but a CEDA point-person will be necessary to develop the plan for content and host any interviews.

Sri shared the newsletter schedules and reminded the EC to submit content to be included.

DAC 2024 - Silveira/Nam/O'Connor

Miguel shared that DAC has had a record number of submissions for 2024 and selection is highly competitive. Only a few more sessions will be added. The exhibition is experiencing some difficulties because there has been quite a bit of consolidation within industry.

Locations for 2026-2028 are already being scouted. The conference organizers prefer locations away from the industry sponsors business headquarters.

DAC Distinguished Speaker Luncheon

CEDA needs increased visibility at DAC, specifically with the Distinguished Speaker Luncheon. The DAC organizers have pushed back because there is a limit on the number of guests the luncheon can accommodate.

Discussion was held regarding incorporating pre-registration only versus first-come, first-serve attendance.

The luncheon is scheduled for Tuesday of the conference. Background information on the seven nominees was previously shared by email. Discussion was held regarding the speaker nominees.

The EC voted and selected Douglas Yu as the speaker.

[ACTION ITEM: Ian O'Connor to invite Douglas Yu to give the DAC Distinguished Speaker Luncheon keynote address.](#)

Activities - O'Connor

Distinguished Lecturer Program

The application form for Distinguished Lecturer 2024-2025 is open until 30 April 2024.

Chapter Funding

CEDA has 13 active Chapters with 12 who submitted funding requests for 2024. The maximum amount of funding each Chapter could receive was capped at \$5,000. Total Chapter funding for 2024 is \$38,884.50.

Ian plans to organize a Chapter Chair meeting during DAC and has identified several locations of interest for new Chapters.

- Boston, USA
- San Francisco, USA
- France
- Germany
- Italy
- Portugal
- Turkey

Chapter of the Year

Discussion was held regarding creating the Chapter of the Year award.

MOTION: Ian O'Connor moved to create the IEEE Council on Electronic Design Automation Chapter of the Year award with \$1,000 as the prize. Georges Gielen seconded. The motion passed.

WIE & DEI Chair

Shao-Yun Fang has asked to step down from this position.

Ian and Cristiana have been discussing potential nominees for this position.

[ACTION ITEM: EC members to send potential nominees for the WIE & DEI Chair to Ian O'Connor by 29 March 2024.](#)

Once the nominee list is finalized, bio and CV information will be sent to the EC for review. The vote will be held online.

[ACTION ITEM: Miguel Silveira to review the CEDA roster and inform CCLLC of committees that require updating.](#)

CEDA Website Update - CCLLC/Rob Sembrat

Rob shared a visual update on the progress of the Catalyze 2 website upgrade for CEDA and the plan to have the site live by mid-late April.

Education - Bolchini/Silveira

Cristiana discussed initiative ideas to engage with high school students, specifically developing programs for students that explore a modern look at circuit design and creating seminar courses available worldwide.

Ideally, a dedicated promotional event would take place at ICCAD and a pilot program could be implemented in the Fall of 2024.

There are difficulties in the upkeep of a program like this with time constraints and other faculty commitments, but after the curriculum is established, the software is online, and the program is running, PhD students could be hired to maintain the program.

Administrative Updates - Paul

CEDA Calendar

Laura reminded the EC about the new CEDA Google Calendar that was shared with the EC and BoG.

MOTION: Gi-Joon Nam moved to adjourn the meeting. Georges Gielen seconded. The motion passed.

The meeting was adjourned at 4:48 PM CET.

The next meeting will be held on 26 April 2024 at 9:00 AM ET.