

CEDA Executive Committee Meeting
27 October 2024 | 9:00 AM ET

Attendees: Cristiana Bolchini, Deming Chen, Aparna Dey, Georges Gielen, Joerg Henkel, Tsung-Yi Ho, Iris Hui-Ru Jiang, Enrico Macii, Subhasish Mitra, Gi-Joon Nam, Sri Parameswaran, L. Miguel Silveira, Elena-Ioana Vatajelu, Marina Zapater, Qi Zhu

Staff: Laura Paul

The meeting was called to order at 9:03 AM ET. The roll was called and quorum was confirmed.

MOTION: Tsung-Yi Ho moves to approve the September 2024 EC meeting minutes. Sri Parameswaran seconded. Motion passed.

MOTION: Qi Zhu moves to approve the October 2024 EC meeting agenda. Tsung-Yi Ho seconded. Motion passed.

President's Welcome and Update

Fellows

The Fellows selection process changed in 2023 with the introduction of an intermediate step in the evaluation process to include small groups of OUs with representatives from each known as Cohorts. The cohorts are charged with harmonizing the scores from the Cohort's individual OUs' Fellows Evaluation Committees. CEDA generally has solid nomination and elevation numbers. Several OUs have difficulty in securing nominations because overall Fellow numbers, specifically within Industry, are low. The current cycle pairs CEDA with the Nanotechnology Council as a Cohort. Also new to the Fellows process is the introduction of a Fellows Search Committee, which was previously not a requirement. Yao-Wen Chang will lead the Fellows Search Committee and Prabhat Mishra will lead the Fellows Evaluation Committee and the Cohort Committee for CEDA.

Kaufman Dinner

The Phil Kaufman Award Ceremony and Banquet will be held on 6 November 2024 at the Hayes Mansion in San Jose, CA, USA. Deming or Gi-Joon will give the CEDA presentation as Miguel cannot attend. IEEE President Tom Coughlin will be attending and seated at the CEDA table.

Moving forward, it would be helpful for CEDA to have more involvement in the planning of this ceremony. More efforts need to be made to work with SEMI to coordinate this event to work well for both organizations.

Finance

There are several underutilized funding areas in the 2024 budget, including a lack of spending on technical committees. If this continues, there could be an IEEE-level issue related to continuing to budget for those funds. Considering this situation there is financial margin for supporting a request for additional funding from ICCAD for student activities.

ACTION ITEM: Miguel Silveira to discuss available funding with Technical Committee Chairs.

ACTION ITEM: Qi Zhu to discuss with ICCAD leadership about further CEDA sponsorship opportunities for student events.

2025 Planning

The budget request for 2025 can be generally the same as for 2024, but IEEE will demand that the budget meets what the actual expected spending will be. IEEE prefers to limit the reserve overflow. New guidelines suggest that IEEE will look at what was spent in one year and limit the following year's budget to that number.

Marina reminded the EC to submit expense reports promptly. All ICCAD/Fall EC meeting expenses should be processed in the 2024 cycle instead of spilling over into the 2025 cycle.

Education and Engagement Activity

Enrico shared that the activity has moved through phase one (defining course contents, identifying design tools and case studies, and developing courses and labs) and that phase two would be implemented beginning with the first program class on 13 November-16 December. The course will consist of six lectures and four labs, for a total of 24 course hours. This course will be held in the afternoons, so as not to affect regular classes.

The targeted students for this activity generally have no background knowledge in any of the course focus areas, so this will be a beginner-level introduction to circuits and computer programming. The program has been primarily funded through volunteering, small educational grants, and CEDA's contribution to hiring a graduate student for support.

Publications

Embedded Systems Letters

Embedded Systems Letters will move to a monthly publication in February 2025.

Design&Test

D&T plans to start hosting webinars and panels to develop further engagement. D&T is also working towards a quicker turnaround time from submission to decision to publication.

Awards

Deming shared that the A. Richard Newton Award is undergoing review and updates to make the nomination parameters clearer, clarify how long rollover nominations may be considered, and make selection committee service clear of potential conflicts of interest.

20th Anniversary/Strategy - Gielen/Silveira

Elena volunteered to lead the development of the "Best of" webpage. This will include reviewing CEDA, conference, and journal award winners and selecting which to feature on the page.

[ACTION ITEM: Elena-Ioana Vatajelu to present an update on the "Best of" webpage during the December EC meeting.](#)

Georges mentioned recording a three-minute video of Miguel discussing CEDA offerings. This can be based on the CEDA overview PowerPoint and shared at conferences and events for publicity.

Other video opportunities include short videos on the importance and history of EDA and longer, webinar-style interviews with interesting speakers.

[ACTION ITEM: Georges Gielen to form the anniversary video committee, finalize the concept, and draft a speaker list to present during the December EC meeting.](#)

There were discussions regarding panel events focused on EDA during the CEDA flagship conferences. Limiting these events to 60 or 90 minutes would be ideal. Selecting 3-4 panelists and a moderator will allow for the most useful conversation. Additional discussions took place regarding funding the travel expenses and registration costs for the panelists.

ACTION ITEM: Laura Paul to send Tsung-Yi Ho IEEE Sponsorship Agreement form templates.

Mehdi is no longer able to lead the trivia contest activity for the flagship conferences, so volunteers are welcome to contact Miguel. Questions need to be gathered and answers confirmed so a marketing plan can be developed for email and social media. The questions should focus on CEDA, Industry, and EDA in general. Prizes for the contest winners should also be considered and clarified.

Laura offered to send a Google form to the EC and Bog to collect questions once the parameters for the contest and question content were defined. Sri Parameswaran volunteered to cull the questions.

ACTION ITEM: Miguel Silveira to send Laura Paul the parameters of the questions to be collected for the anniversary trivia contest activity.

The meeting was called to a recess at 11:15 AM ET.

The meeting was called back to order at 1:10 PM ET.

Initiatives

There are four CEDA-sponsored IEEE Technical Committees, and each has a representative from CEDA. It would be ideal for these representatives to attend regular TC meetings and provide feedback on behalf of CEDA, as well as present regular updates to the CEDA EC and BoG. All leadership positions in these TCs are made up of sponsoring society and council members/participants.

- Internet of Things (IoT)
 - Theocharis Theocharides
- Smart Cities
 - Maria Michael
- International Roadmap for Devices and Systems (IRDS)
 - Ian O'Connor
- Taskforce on Rebooting Computing (TFRC)
 - Qi Zhu

Smart Cities is undergoing some changes because of the move from an initiative to a Technical Committee. The committee would like to cross-post on sponsoring OUs' social media and website with relevant content and work with all of the sponsoring OUs to develop workshops and conferences to support the TC and the sponsors. Additionally, the committee has requested two volunteers to work with the committee on developing technical tracks for cutting-edge multi-OU subjects.

Discussions were held regarding the outstanding payments due to students who won the 2023 ESWEEK Fairness Competition awards. Miguel noted that the simplest way to pay the 2023 award honorariums is from the 2024 surplus. Laura noted that IEEE will only process the award payments with the creation of a new award.

Action Item: Qi Zhu to discuss funding the ESWEEK 2023 student competition awards from the 2024 surplus with Joerg Henkel.

Standards

The CEDA Standards Committee meets quarterly and has gained 20+ new members through the new website. Several areas are being explored for further standardization, including HI/Chipselets Benchmarking and AI /ML infrastructure in EDA.

Aparna applied for a \$10,000 grant from the IEEE TAB Committee on Standards to host a full-day CEDA Standards workshop.

IEEE AI Coalition

The IEEE AI Coalition meeting was held on 6 June 2024 with 65 hybrid attendees. All attendees were asked to prepare slides on areas where they see a coverage gap to form activities around those gaps. IEEE volunteers and staff shared how AI affects IEEE as a whole, and AI policy presentations were discussed from the IEEE USA and Europe offices. Significant discussions were held regarding the ethical implications of using and trusting the outputs from AI.

The next Future Directions AI Coalition event will be held in Cambridge, MA, US on 7 November 2024.

Young Professionals

CEDA sponsored or co-sponsored several conference events with ACM SIGDA in 2024. Iris is already working with organizers to repeat these partnerships in 2025.

DAC 2024 (co-sponsored)

- Early Career Workshop
- PhD Forum
- University Demo
- System Design Contest

ICCAD 2024 (co-sponsored)

- SRC
- CADathon
- Job Fair
- TonyML

SMACD (sponsored)

- EDA Competition

The Student Travel Grant program is performing well, and additional funds have been approved in 2024 to fund more grants. It would be helpful to increase the funding for this program in 2025.

Publicity

Sri recently interviewed ESL EiC Aviral Shrivastava. The video needs editing before posting to the website and YouTube. Laura shared that video editing and content creation is an enhanced marketing service, not included in the Operations Management contract. Laura offered to connect leadership with the CCLLC Marketing Unit for a proposal. Laura noted that any posting on the website, social media, and YouTube of the video content is a covered service in the current Operations Management contract.

ACTION ITEM: Sri Parameswaran and Georges Gielen to discuss anniversary video and publicity content planning and inquire about quotes on vendors to accomplish these tasks.

ACTION ITEM: Laura Paul to create streamlined thumbnail views for all new Youtube content.

Conferences

ESWEEK and CEDA have agreed to a multi-year MOU that is up for renewal every five years. MLCAD wants to propose the same arrangement. Discussions were held regarding the need to clarify guidelines for CEDA to consider this type of partnership. IEEE shared with TY that CEDA has the power to decide if a single or multi-year partnership is the right choice. It may be a positive idea to reserve this for flagship conferences. TY and Miguel will discuss this further offline.

ASP-DAC 2025 will be held 20-23 January 2025 in Tokyo, Japan. DATE 2025 will be held 31 March - 2 April in Lyon, France. DAC 2025 will be held 22-25 June in San Francisco, CA, USA. ESWEEK 2025 will be held 28 September - 3 October in Taipei, Taiwan. ICCAD 2025 will be held in Munich, Germany, however, the dates have not been finalized.

TY noted that CEDA should consider encouraging students to be more active in conference workshops. Some conferences provide comped registrations for attendees from underrepresented countries, so this could be helpful to increase student participation numbers.

Technical Activities - Silveira

Chapters

Several areas of focus were identified for new CEDA Chapters. The Summer 2024 Chapter Meeting was decently attended. A virtual-only Chapter meeting will be held soon to accommodate the Chapters who were not able to attend. Activity planning proposals will be solicited soon for 2025.

ACTION ITEM: Miguel Silveira to discuss Chapters and Chapter Activities with Member Societies to develop joint efforts and activities, or Joint Chapters.

Distinguished Lecturer Class of 2024-2025

The new class was announced and made available for talk scheduling on 1 August 2024.

- Ricardo Reis, UFRGS, Brazil
- Sudeep Pasricha, Colorado State University, USA
- Bei Yu, CUHK, Hong Kong
- Alberto Bosio, ECL, France

2024 VDL Program

Laura scheduled several VDL talks this year with TY as moderator. Laura will plan the 2025 schedule soon.

ICCAD Distinguished Speaker Luncheon

The event is planned for Tuesday, 29 October 2024 and Sachin Sapatnekar, University of Minnesota will be the featured speaker.

Administrative Updates

Laura shared a reminder to the EC that there will be no EC meeting in November as it conflicts with the TAB meeting series. The next EC meeting will be Friday, 6 December at 9:00 AM ET.

Kuh Award

The revisions to the Kuh award were accepted by the TABARC Chair. TABARC will review and vote in November. If approved, the proposal will be added to the consent agenda for the February 2025 TAB meeting.

Chapter of the Year Award

The nomination form will open on 1 December 2024 and the deadline will be 28 February 2025.

MOTION: Sri Parameswaran moves to adjourn the meeting. Tsung-Yi Ho seconded. Motion passed.

The meeting was adjourned at 3:27 PM ET.

There will be no meeting in November. The next meeting will be held on 6 December 2024 at 9:00 AM ET.