

CEDA Executive Committee Meeting
23 June 2024 | 9:00 AM - 12:00 PM PT

Attendees: David Atienza, Cristiana Bolchini, Deming Chen, Ibrahim Elfadel, Georges Gielen, Joerg Henkel, Tsung-Yi Ho, Jiang Hu, Iris Hui-Ru Jiang, Gi-Joon Nam, Ian O'Connor, Sri Parameswaran, L. Miguel Silveira, Mehdi Tahoori, Marina Zapater, Qi Zhu

Virtual: Iris Bahar, Dennis Brophy, Aparna Dey, Anjali Diwan, Enrico Macii, Vladimir Okhmatavski, Elena-Ioana Vatajelu, Bei Yu

Staff: Amanda Osborn, Laura Paul

The meeting was called to order at 9:10 AM PT. The roll was called and introductions were made.

MOTION: Cristiana Bolchini moved to approve the May 2024 EC meeting minutes. Georges Gielen seconded. Motion passed.

MOTION: Sri Parameswaran moved to approve the June 2024 EC meeting agenda. Ibrahim Elfadel seconded. Motion passed.

Publications - Henkel/Atienza

TCAS-AI

The first issue will launch in September 2024. Yiran Chen is the Editor in Chief, and David Atienza serves as Associate EiC. The submission portal was launched on 17 May 2024 and 35 submissions have already been received.

TCAD

The current acceptance rate is 33% and TCAD has been rated a top-tier journal for four consecutive quarters. The Editorial Board welcome 28 new Associate Editors in 2024, specifically increasing diversity in Region 10.

IEEE TCAD Donald O. Pederson Best Paper Award winners for 2024:

- PACT: An Extensible Parallel Thermal Simulator for Emerging Integration and Cooling Technologies" by Zihao Yuan, Prachi Shukla, Sofiane Chetoui, Sean Nemptzow, Sherief Reda, and Ayse K. Coskun, which was published in IEEE TCAD, vol. 41, no. 4, pp. 1048-1061, April 2022.
- An Open-Source Framework for FPGA Emulation of Analog/Mixed-Signal Integrated Circuit Designs, by Steven Herbst, Gabriel Rutsch, Wolfgang Ecker, and Mark Horowitz, which was published in IEEE TCAD, vol. 41, no. 7, pp. 2223-2236, July 2022.

Significant discussion was held regarding the issue of the 40% self-plagiarism rule. David described the guidelines provided by IEEE in the Panel of Editors, including thresholds of 30% for self-plagiarism with a single source. TCAD uses 40% as a result of an agreement with the IEEE Publications Board. Papers found not in compliance with the guidelines do not proceed to the review process. Authors are encouraged to modify their papers to solve the self-plagiarism issues and re-submit. Unlike standard rejections, authors are immediately allowed to resubmit their work. David explained that Sara Dailey manually reviews every submission that is identified as problematic, confirms the issue, and attaches the report to assist authors in addressing the issue. In 2024, 20/560 paper submissions violated the 40% rule and were returned to the authors for modification and re-submission.

ACTION ITEM: Miguel Silveira to schedule a meeting during DAC to address the 40% self-plagiarism rule with Yao-Wen Chang, David Atienza, Joerg Henkel, and all of the remaining parties who are interested in further discussion and clarification.

D&T

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. Several ideas have been floated regarding video roundtable events for the D&T website to increase publicity on the D&T website.

ESL

ESL has the fastest decision time in all of IEEE. The current goals are to increase the submission number to 1000 and the impact factor to 4 by 2028, and be able to promise the submitting authors a one-month review cycle. The submission-to-final decision timeline has decreased by 50% since 2020 to a current average of 5.2 weeks. There are ongoing discussions regarding moving ESL to a bimonthly publication. Further research and discussions are needed before any action is taken.

Standards - Aparna Dey

IEEE Future Directions - AI Coalition

The 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. The slides were consolidated and sent to the coalition members after the event for them to share with their OUs. 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 AI Coalition holds monthly meetings, and the next one is scheduled for 26 June 2024. The next Future Directions AI Coalition event will be held in Cambridge, MA, US on 7 November 2024.

[ACTION ITEM: Aparna Dey to send AI Coalition Meeting consolidated slides to Laura Paul for EC distribution.](#)

CEDA Standards Committee

The goal of this committee is to drive standardization for advanced EDA research-based topics. The ML EDA presentation previously provided by Jiang Hu has been presented to the committee and further presentations and ideas are welcome from the EC.

The CEDA Standards Committee infrastructure is updated and the public site is live. The kickoff meeting was held at the end of 2023 and the committee has grown to include 23 new members, three EDA companies, and three universities. Several areas are being explored for further standardization.

Plans for 2024 and beyond include scheduling regular working group meetings and targeting standards promotions in conferences, specifically with Academia and Industry partners.

[ACTION ITEM: EC to encourage research students to get involved and submit potential research topics to the Standards Committee.](#)

Finance – Zapater (see Finance report attachment)

Closing 2023 Numbers

- Net Actual (\$1,321,245.53)
- Reserves (\$5,010,000.00)

2024 Status

2024 has produced several more expenses than 2023, but that is to be expected. Several programs are still underspending, but the Student Travel Grant Program numbers are up and the Distinguished Lecturer Program should increase spending towards the end of the year once the new DL class is announced.

2025 Planning

Discussions were held regarding the new IEEE funding process for initiatives. Decisions were made to increase MOU initiative funding (i.e. Smart Cities) to \$60,000 and to allocate \$15,000 to Member Technical Organizations. There was \$0 spent on MTOs in 2023 and several questions were raised surrounding their needs.

ACTION ITEM: Ian O'Connor, Qi Zhu, and Miguel Silveira to schedule meetings with the CEDA Member Technical Organization Representatives individually to discuss MTO budgets.

Funding for the 20th anniversary of CEDA in 2025 was discussed briefly. Amanda noted that initiative funding cannot be used to pay for any services such as CCLLC's administrative support or for any event planning services.

ACTION ITEM: Miguel Silveira, Laura Paul, and Amanda Osborn to discuss 20th anniversary budget planning.

MOTION: Marina Zapater moved to approve the 2025 budget. Cristiana Bolchini seconded. Motion passed.

Education and Engagement Activity - Macii

Miguel welcomed Enrico Macii to the meeting and announced he would lead the education and engagement activities. Enrico and Cristiana have worked jointly on this project for several months.

Enrico shared a few gaps in education that led to forming this activity: an overall shortage of design skills, the semiconductor industry needs new talent, and circuits and systems designers are critical resources. The project aims to encourage students to explore and enroll in EDA courses

Plans for this activity include organizing an educational program with several local high schools in Italy, as a joint effort with Politecnico di Torino and Politecnico di Milano, and publishing guidelines for other universities to use for small competitions and events. Long-term discussions include working with conferences to promote these activities and increase student engagement. The initial pilot implementation of the program is planned for October 2024, with additional plans to scale the project globally by the Fall of 2025.

A few challenges to note are the selection of feasible design tools and ensuring education credits for the student are accounted for appropriately. The LATTICE Tool Suite has been selected as the primary design tool. Working with the high schools to ensure proper education credits is ongoing.

ACTION ITEM: Laura Paul to invite Enrico Macii to all future EC meetings.

ACTION ITEM: Enrico Macii to present Education and Engagement Activity update at EC meeting at ICCAD 2024.

Conferences – Ho

TY shared that 17 financially-sponsored and 10 technically-sponsored conference MOUs have been signed since January of 2024.

DAC

Paper submissions are up by over 34% from 2023, which is a record high for DAC. Additionally, the Technical Program Committee has increased its membership by 34%.

DATE 2025

The location for DATE 2025 was announced as Lyon, France. Conference dates are planned for 31 March – 2 April.

ICCAD

Paper submissions have increased by 28% since 2022, and by 7% since 2023. The conference will be held in Newark, New Jersey, US.

ESWEEK

Discussion was held regarding the CEDA ESWEEK Representative. TY shared that he spoke with several conference organizers and ESWEEK which led to Christian Pilato. Discussions were held regarding Christian Pilato.

MOTION: Tsung-Yi Ho moved to approve the appointment of Christian Pilato as the new CEDA ESWEEK Representative starting July 2024. Ian O'Connor seconded. Motion passed.

ASP-DAC

The location for ASP-DAC 2025 was announced as Tokyo, Japan. Conference dates are planned for 20-23 January 2025.

ACTION ITEM: Tsung-Yi Ho and Mehdi Tahoori will research and approach other conferences that are in alignment with CEDA's focus and could benefit from sponsorship.

Activities - O'Connor

Chapters

Ian identified several geographical areas of focus for new CEDA Chapters. The 2024 Chapter Meeting will be held at the InterContinental San Francisco on Monday, 24 June 2024 and all EC and BoG members are welcome. Several Chapter Chairs have indicated they plan to attend virtually and at least one will attend in person. A virtual-only Chapter meeting will be held later in the year to accommodate the Chapters who cannot attend this one. Activity planning proposals will be solicited soon for 2025.

Recent Event Sponsorships

- SWEAT 2024, Bangalore, India, 28 June 2024 (\$1,000.00) – This event was created by the Bangalore Section, with the CEDA Bangalore Chapter heavily involved. The sponsorship will provide CEDA promotional material and fund the event lunch. The time constraints made it difficult to find a guest speaker who could attend in person, as requested by organizers, so Ian will give a virtual address to the event attendees.
- DSD 2024, Paris, France, 28-30 August 2024 (\$1,000.00) – This event highlights CEDA through various promotional channels and marketing materials and paves the way for a France Chapter to be formed.

Distinguished Lecturer Class of 2024-2025

The new class has been selected and will be available to schedule for talks after 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 is working to schedule monthly VDLs beginning in September. TY will moderate these talks.

ICCAD Distinguished Speaker Luncheon

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

WIE/DEI Chair

Prof. Shao-Yun Fang has held both positions for several years and has asked to be replaced. Miguel will appoint a new joint Chairperson from the submissions and feedback received from the EC.

Awards - Chen

Welcome to Iris Bahar, the new Assistant VP Awards. Iris will be leading the Kuh Award Selection Committee.

Phil Kaufman Award

The application deadline is 30 June 2024.

Publicity – Parameswaran

CAT2 Website Launch

The new CEDA website went live on 16 May 2024. Sri encouraged the EC to explore the website and review the social media pages.

Newsletter

Sri shared the email schedule for CEDA Currents and Community Calls.

Sri shared ideas to increase publicity for CEDA: increase social media content with all platforms and expand to TikTok, promote CEDA brand awareness with students and young professionals, and develop further website content (interviews, videos, etc.). Discussions were held regarding short, promotional interview videos with conference session speakers. Laura noted that the CCLLC administrative support SOW does not include the TikTok medium or major video content editing. Exploring these options requires further offline discussions.

Initiatives - Zhu

ML EDA

Qi shared information regarding SLICE: Shared Machine Learning Infrastructure for the Community of EDA initiative. The goal of the initiative is to build open-source infrastructure for the EDA community

Smart Cities

The Smart Cities Technical Committee has requested a promotional liaison representative from CEDA to cross-promote Smart Cities and CEDA activities. Additionally, they asked for two CEDA volunteers to develop technical tracks on multi-OU subjects.

IEEE New Initiative Program

Proposals are being solicited to increase IEEE's connectivity to Industry, engage new members, create educational opportunities, and increase IEEE's visibility.

Strategy – Gielen

Georges shared several ideas for enhancing value to CEDA participants. Discussion items included expanding targeted promotions to students and young professionals, increase Chapter numbers and local activities, and growing CEDA's online presence through more active social media.

Laura noted that the CEDA social media channels are active weekly but do not receive much engagement. Laura encouraged the EC to follow all of the social media pages and to share the content with their personal and professional networks to grow the viewership. Georges and Sri noted the current numbers for the social media profiles are low, and increasing them should be a priority. Georges suggested a targeted email to increase awareness of the social media channels and promotional opportunities to be sent to the CEDA participants list.

ACTION ITEM: Laura Paul to develop a promotional email campaign for the CEDA email list highlighting social media, travel grants, publicity offerings, and the newsletter.

20th Anniversary

2025 is the 20th anniversary of CEDA. Georges, Miguel, and Cristiana met and brainstormed several ideas for promotional activities and celebratory events. Discussions were held regarding producing web and social media video content (i.e. short video interviews with EDA experts and longer “history of CEDA” webinars), developing a trivia quiz game for each of the flagship conferences to engage attendees and promote CEDA brand awareness, creating a “Best of” webpage on the CEDA website to display highlighted conference papers, and possibly planning a large-scale celebration at ICCAD 2025.

Amanda noted that the celebratory conference event should be decided soon so the conference organizers can be included for contracting purposes. While the event will not take place until 2025, site meetings and location selections are already being finalized.

Miguel invited enthusiastic participants to volunteer to assist with the 20th anniversary activities and events.

Governing Docs – Nam

There are several outstanding research items to complete before the Bylaws are ready for EC and BoG review and approval. Gi-Joon will provide further information to the EC once it is available.

Admin – Paul

ACTION ITEM: All EC to send standing committee rosters to Laura Paul.

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

The meeting was adjourned at 12:32 PM PT.

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

2023

210440-Council on Electronic Design Automation

	Total Revenue			Total Expense			Net		
	Annual Budget	YTD Budget	YTD Actual	Annual Budget	YTD Budget	YTD Actual	Annual Budget	YTD Budget	YTD Actual
All Products									
11000-Magazines	49'499.71	49'499.71	50'894.10	45'872.37	45'872.37	39'828.75	3'627.36	3'627.36	11'025.35
12000-Journals Transactions Reviews	867'318.78	867'318.78	877'672.09	467'593.53	467'593.53	508'404.39	399'725.25	399'725.25	389'267.70
13000-Letters	71'268.45	71'268.45	830'38.28	50'956.01	50'956.01	54'390.89	20'312.44	20'312.44	28'647.39
21000-Conference Events	3'523'955.87	3'523'955.87	21'306'94.08	3'426'872.36	3'426'872.36	1'541'514.36	97'283.51	97'283.51	589'119.72
22000-Conference Proceeding	805'585.60	805'585.60	832'97.17	435'866.70	435'866.70	411'402.03	369'718.91	369'718.91	421'995.14
Total Product	5'317'628.42	5'317'628.42	3'975'495.72	4'426'969.97	4'426'969.97	2'555'540.42	890'667.45	890'667.45	1'419'955.30

210440-Council on Electronic Design Automation

	Total Revenue			Total Expense			Net		
	Annual Budget	YTD Budget	YTD Actual	Annual Budget	YTD Budget	YTD Actual	Annual Budget	YTD Budget	YTD Actual
Cost Centers									
Total Cost Center	27'371.84	27'371.84	8'298.00	665'930.63	665'930.63	505'780.34	(638'558.79)	(638'558.79)	(567'482.34)
Total From Operations	5'345'000.26	5'345'000.26	3'983'793.72	5'092'891.59	5'092'891.59	3'151'320.76	252'108.67	252'108.67	832'472.96
21065-Society Initiatives	0.00	(0.00)	(0.00)	98'000.00	98'000.00	21'584.31	(68'000.00)	(68'000.00)	(21'584.31)
21076-IEEE Reserve Allocation	0.00	(0.00)	(0.00)	0.00	0.00	-510'356.88	(0.00)	(0.00)	510'356.88
Grand Total	5'345'000.26	5'345'000.26	3'983'793.72	5'190'891.59	5'190'891.59	2'662'548.19	154'108.67	154'108.67	1'321'245.53

2024

210440-Council on Electronic Design Automation

	Total Expense		
	Annual Budget	YTD Budget	YTD Actual
Cost Centers			
10125-Technical Committee	33'000.00	13'750.00	0.00
10130-Education Committee	41'000.00	17'083.33	6'568.00
10140-Awards Committee	27'500.00	11'458.33	1'820.69
10155-Chapter Committee	0.00	0.00	20'530.00
10180-Conference Committee	55'900.00	23'291.67	17'988.55
21015-Societies Operations	470'608.61	207'307.46	192'152.40
21020-Meetings /Conference	22'681.21	7'778.36	10'246.52
21030-Soc Publication Related Support	67'000.00	0.00	16'555.54
Total Cost Center	717'689.82	280'669.15	265'861.70
Total From Operations	3'906'141.87	1'107'345.54	918'418.05
21065-Society Initiatives	67'058.00	27'940.83	12'178.75

2025

- Contractors (Editorial services): ~67K
- Operational - Conference Catalyst: 88k (secretary + web) + 2K (Zoom)
- Meetings venue expenses : 13K
- Volunteer travel : 70k (52k in 2023, increase due to 3 EC meetings instead of 2)
- CEDA Luncheons ~ 56K
- DATE, DAC, ICCAD, ASP-DAC
- Distinguished Lecturer ~ 26K
- Contests ~ 50K
- PhD Forum, Univ. Demo (DATE, DAC, ...)
- Awards ~ 28K
- Local Chapters 40K
- Technical committee ~ 33K → to be discussed
- DATC, SVDTC, TCCPS, HSTTC
- MoU Initiatives (Smartcities, IoT): 40K → to be discussed
- Marketing & Advertising: 25K
- Standards committee: 5K (budget for meetings and traveling)
- Publications: 5K (face-to-face journal meeting/luncheon with editorial board)