

**Minutes of the Control Systems Society Board of Governors Meeting  
May 30, 2023**

**San Diego, CA, USA**

**1. Call to Order and Approval of Agenda**

President M. Egerstedt called the meeting of the Control Systems Society (CSS) Board of Governors (BoG) to order at 1:05 PM (PDT, US) on May 30, 2023. He welcomed all attendees and reminded BoG about the objectives of the meeting. Meeting procedures were reviewed, including the mechanism for voting on motions. The following members of the BoG were in attendance:

- |                   |                      |                   |
|-------------------|----------------------|-------------------|
| - Abramovitch, D. | - Nair, G.           | - Nogueira, F.    |
| - Beck, C.        | - Glavaski, S.       | - Oishi, M.       |
| - Di Bernardo, M. | - How, J.            | - Parisini, T.    |
| - Egerstedt, M.   | - Ishii, H.          | - Paschalidis, I. |
| - Fekih, A.       | - Mastellone, S. (R) | - Petersen, I.    |
| - Ferrara, A.     | - Ozay, N.           | - Pettersen, K.Y. |
|                   |                      | - Santillo, M.    |

Additionally, the following visitors attended the meeting:

- |                |              |                |
|----------------|--------------|----------------|
| - Allgöwer, F. | - Cortés, J. | - Martinez, S. |
|----------------|--------------|----------------|

2. Approval of Minutes

Quorum was established, and the meeting agenda approved. Next, the minutes of the BoG meeting of December 5<sup>th</sup>, 2022, held in Cancun, Mexico, were approved.

3. Consent Agenda

President Egerstedt reminded that the consent agenda can be found at: <http://bog-excom.ieeecss.org/>. Then, he asked the BoG for approval of the following revision of the consent agenda.

**Motion:** To approve a revision of the consent agenda to reflect a change in the roster of the IEEE TAC as follows: Peyman Mohajerin Esfahani is currently on the TAC Editorial Board and will remain on the board in 2024.

The revision was necessary since Peyman Mohajerin Esfahani had been previously approved by the BoG, but was mistakenly stricken out for 2024.

The motion passed unanimously. Egerstedt asked the BoG for approval of the revised consent agenda and received approval.

<b>Action Items</b>
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President Egerstedt presented the following motion:

- **Motion:** *To initiate the process of determining fund usage for activities named after Roger Brockett.*

President Egerstedt went over the background of the motion. Brockett made many contributions to the CSS. He passed away in March. As a society we would like to honor him and to raise funds for a Brockett Memorial Endowment. The motion was made to start the process to recognize Brockett's legacy. All participants in the meeting expressed great appreciation for the initiative. The motion passed unanimously.

*\*\*The following individuals were requested to recuse themselves from the meeting, and invited back in after the discussions: Carolyn Beck, Jacqueliën Scherpen, Karl H. Johansson and Andrea Serrani.*

The Chair of the CSS Nominating Committee T. Parisini presented the following motion.

- **Motion:** *To approve the 2024 Executive Committee Slate.*

Parisini reported that the CSS Nominating Committee has identified the following slate for the 2024 Executive Committee:

President: Magnus Egerstedt  
President-Elect: Carolyn Beck  
VP-Conference Activities: Jacquélien Scherpen  
VP-Diversity, Outreach & Development: Karl H. Johansson  
VP-Finance Activities: Jonathan How  
VP-Member Activities: Kristin Pettersen  
VP-Publication Activities: Andrea Serrani  
VP-Technical Activities: Ian Petersen  
Director of Operations: Antonella Ferrara

As Chair of the Nominating Committee, Parisini provided the background on the Nominating Committee and its duties and procedures. A short discussion of the candidates followed. The motion passed unanimously.

*\*\*The following individual was requested to recuse himself from the meeting, and invited back in after the discussions: Ilya V. Kolmanovsky*

Past-President Parisini then presented the following motion.

- **Motion:** *To approve Professor Ilya V. Kolmanovsky as Editor in Chief of the IEEE Transactions on Control Systems Technology.*

Parisini went over the background of the motion. The current Editor in Chief – Prof. Andrea Serrani – will step down at the end of 2023 after seven years of term. Hence a new Editor in Chief must be appointed as soon as possible to enable a smooth and seamless transition. All the attendees expressed their satisfaction with the choice of Professor Ilya V. Kolmanovsky for that position. The motion passed unanimously.

*\*\*The following individuals were requested to recuse themselves from the meeting, and invited back in after the discussions: Ryozo Nagamune, Santosh Devasia and Lacra Pavel.*

Vice President for Conference Activities C. Beck presented the following motion.

- **Motion:** *To approve Ryozo Nagamune as General Chair of CCTA 2026*

Beck went over the conference experience of the nominee. The motion passed unanimously.

Vice President for Conference Activities C. Beck presented the following motion.

- **Motion:** *To approve Santosh Devasia as Program Chair of CCTA 2026*

Beck went over the conference experience of the nominee. The motion passed unanimously.

Vice President for Conference Activities C. Beck presented the following motion.

- **Motion:** *To approve Lacro Pavel as Program Chair of CDC 2026*

Beck went over the conference experience of the nominee. The motion passed unanimously.

Vice President for Conference Activities C. Beck presented the following motion.

- **Motion:** *To approve Kai Cai as Program Chair of CCTA 2027*

Beck went over the conference experience of the nominee. The motion passed unanimously.

Vice President for Conference Activities C. Beck presented the following motion.

- **Motion:** *To approve the venue of Northumbria University, Newcastle upon Tyne, UK, and the dates of August 21-23 for CCTA 2024.*

Beck went over the background of the motion. The General co-Chairs are Prof.s Krishna Busawon and Eric Rogers (approved Dec. 2020) and the Program Chair is Prof. Sarah Spurgeon (approved June 2021). The motion passed unanimously.

Vice President for Conference Activities C. Beck presented the following motion.

- **Motion:** *To approve the location of Hawaii as the site for CDC 2026*

Beck went over the background of the motion, reminding that the General Chair is Prof. Jorge Cortes (approved Dec. 2022). She mentioned that Hawaii has a tropical climate. Temperatures and humidity tend to be less extreme due to near-constant trade winds from the east. December temperatures oscillate between a maximum of 77 °F (25 °C) and a minimum of 68 °F (20 °C). Honolulu airport has many direct flight connections to Asia and Australia, and almost every major airport in the US and Canada. Flight connections between islands in Hawaii are abundant and inexpensive. She mentioned that Prof. Cortes and Prof. Faryar Jabbari (CSS Conference Operations Committee co-Chair) have travelled to Hawaii and visited three potential venues. The motion was approved unanimously after a discussion about the last time CDC was in Hawaii (it was in Maui in 2012).

Vice President for Conference Activities C. Beck presented the following motion.

- **Motion:** *To approve the Budget CCTA 2024*

Beck went over the background of the motion. She reminded BoG that the General co-Chairs are Prof.s Krishna Busawon and Eric Rogers (approved Dec. 2020) and the Program Chair is Prof. Sarah Spurgeon (approved June 2021). She presented the **Registration Rates:** *(all rates given in GBP/L )*

- Advanced:

- *Full IEEE* 650
  - *CSS Member* 620
  - *Student IEEE* 325
  - *Student Member* 310
  - *Full Non-Member* 785
  - *Student Non-Member* 393
- Onsite:
    - *Full IEEE/CSS Member* 720
    - *Student Member* 360
    - *Full Non-Member* 785
    - *Student Non-Member* 393

Beck reported that the Projected surplus is £ 61,015 (28% of projected outlays; 22% of projected receipts). Egerstedt commented that CSS ExCom is monitoring conference registrations and studying appropriate corrective actions oriented to keep the registration fees down. The motion was approved unanimously.

Vice President for Conference Activities C. Beck presented the following motion.

- **Motion:** To approve the preliminary budget for CDC 2025.

Beck went over the background of the motion. She reminded BoG that the General co-Chairs are Yannis Paschalidis and João Carlos Basilio (approved by BoG in December 2021). She presented the **Registration Rates:** (all rates given in USD)

- Advanced:
  - *Full IEEE* 650
  - *CSS Member* 620
  - *Student IEEE* 325
  - *Life/Student CSS* 310
  - *Full Non-Member* 813
  - *Student Non-Member* 406
- Onsite:
  - *Full IEEE/CSS Member* 813
  - *Student IEEE* 406
  - *Life/Student CSS* 388
  - *Full Non-Member* 1,016
  - *Student Non-Member* 508

Beck reported that the Projected surplus is \$165,401 (20% of projected outlays; 17% of projected receipts). Egerstedt noted that this is the first time the CDC is held in South America. After a short discussion, the motion passed unanimously.

Vice President for Conference Activities C. Beck presented the following motion.

- **Motion:** To approve the revised budget for CDC 2023

Beck went over the background of the motion. She reminded BoG that the General Chair is Prof. Lihua Xie and the Program co-Chairs are Prof.s Karl Johansson and Guoqiang Hu. She presented the **Registration Rates:** (all rates given in USD)

- Advanced:
  - Full IEEE 730
  - CSS Member 700
  - Life/Student CSS 350
  - Full Non-Member 915
- Onsite:
  - Full IEEE/CSS Member 875
  - Life/Student CSS 440
  - Full Non-Member 1,140

Beck noted that lunches for conference registrants is included. She reported that the Projected surplus is \$250,863 (21% of projected outlays, 17% of projected receipts). A discussion followed concerning the costs for food and beverages (710,128 USD) considered by many of the BoG members and guests very high. The recommendation emerged to carefully consider local costs when choosing a location for future CDCs. The motion passed unanimously.

Vice President for Publication Activities Y. Paschalidis presented the following motion.

- **Motion:** *To approve a new Paperplaza Award System contract to include expanded set of CSS Awards and AE/SE Nominations.*

Paschalidis explained that IEEE CSS was advised during its 5-year review to become more open and accept independent AE/SE nominations. This system streamlines that process. The aim is to augment the CSS Awards Nomination site to accept AE/SE nominations (including self-nominations). They must be received by Feb. 28 each year. Asking for usual biosketch and full CV. Recommendation letter commenting on editorial performance and experience will be required. As for the cost: the nomination site cost was \$500/yr (for few best paper awards). It will increase to \$1500/yr (for the expanded best paper awards, conference awards, SE/AE nominations). This cost was approved by CSS President. The Financial Impact is \$1,000/yr. Egerstedt noted that it is very important to find the right people to get into editorial positions on CSS journals and that opening the process is a good practice. After a brief discussion, the motion passed unanimously.

Vice President for Publication Activities Y. Paschalidis presented the following motion.

- **Motion:** *To approve moving IEEE TAC and IEEE TCST to fully online (eliminate print versions and CD-ROMS), while maintaining their current sectioning and structure*

Paschalidis explained that fewer and fewer readers subscribe to print versions. Newer Transactions and Journals are only on-line (TCNS, L-CSS, OJ-CSYS). Only CSM, TAC, and TCST have print versions. There is a positive environmental impact from eliminating print

versions. This action was discussed at the Cancun LRPC and it was agreed to move ahead. As for the financial impact, TAC has a high per (print) subscription cost (\$400.43) and only about 200 physical subscribers. Estimated savings: \$44.5K per year. TCST is estimated to have about \$19K per year. The motion passed unanimously.

Vice President for Publication Activities Y. Paschalidis presented the following motion.

- **Motion:** *To approve a new Editorial Services contract for IEEE CSM for an 1-year period (2024) at the cost of \$60K*

Paschalidis explained that IEEE CSM has an independent contractor for editing/proofreading working for 60hr/month (2023 cost: \$43,805). The CSM Editor-in-Chief would like to move to a university-based contract (KU-Leuven) as the rest of our journals. A lump sum to cover one or more part-time people to deal with proofreading and administrative tasks. Egerstedt remarked that getting help for our volunteers is important and it is a good way to spend the money.

The motion passed unanimously.

Vice President for Publication Activities Y. Paschalidis presented the following motion.

- **Motion:** *To approve the 2024 page budget requests of the CSS journals*

Paschalidis explained that the requests are in line with IEEE and EiC projections. With respect to the approved 2023 page budgets, there is no increase for TAC, an increase of 100 pages for OJC-SYS and TCNS, an increase of 300 pages L-CSS, and a decrease of 500 pages for TCST and of 100 for CSM. The motion was approved unanimously.

Vice President for Member Activities Kristin Y. Pettersen introduced the following motion.

- **Motion:** *To allocate to the STA+SWA student support program 150 kUSD in 2024, with a 10% increase pr year 2025-2028.*

Pettersen went over the background of the motion. She mentioned that the purpose is for CSS to provide travel support for students attending CDC, CCTA, ACC, and YPVCC. The awards will cover travel, hotel expenses, and workshop attendance. The Award will be coordinated with membership and outreach activities to enhance our membership and enrich students' initial experience in their professional society. The financial impact is 915.8 kUSD (total contribution for the 5-years period 2024-2028). How confirmed that the society is in sound financial standing and can afford this initiative. Egerstedt observed that students are the future of the society and investing in them is important. The motion was approved unanimously.

Vice President for Member Activities Kristin Y. Pettersen introduced the following motion.

- **Motion:** *To allocate to the STA+SWA student support program an additional 100 kUSD in 2023.*

Pettersen went over the background of the motion. She mentioned that funds for 2023 have already proved insufficient. ExCom thus recommended an additional amount to be allocated to the STA+STW program for 2023. All the participants were strongly in favor, and the motion passed unanimously.

*\*\*The following individuals were requested to recuse themselves from the meeting, and invited back in after the discussions: Yongcan Cao, Reza Moheimani, Quanyan Zhu, Bozenna Pasik-Duncan*

Vice President for Technical Activities Ian Petersen introduced the following motion.

- **Motion:** *To nominate Yongcan Cao as the CSS representative to the IoT Technical Community Steering Committee.*

Petersen went over the background and the nominee's Biography. The motion passed unanimously.

Vice President for Technical Activities Ian Petersen introduced the following motion.

- **Motion:** *To nominate Reza Moheimani as one of the CSS representatives on the IEEE Nanotechnology Council.*

Petersen went over the background and the nominee's Biography. The motion passed unanimously.

Vice President for Technical Activities Ian Petersen introduced the following motion.

- **Motion:** *To nominate Quanyan Zhu as the CSS representative on the IEEE Biometrics Council.*

Petersen went over the background and the nominee's Biography. The motion passed unanimously.

Vice President for Technical Activities Ian Petersen introduced the following motion.

- **Motion:** *To nominate Bozenna Pasik-Duncan as the Chair of the Technical Committee on Stochastic Systems and Control.*

Petersen went over the background and the nominee's Biography. The motion passed



unanimously.

## Informational Items

### **Presentation of Cost-Sharing formula for CEB Charges**

Vice President for Conference Activities C. Beck reported that cost-sharing of CEB charges with AACC has been based on a simple proportional formula, with proportions determined by number of respective conference papers (ACC or CDC) divided by total number of conference papers (ACC+CDC) per year. With some ACC papers now being published in LCSS, the CSS is accumulating additional funds from the downloading of ACC-related LCSS papers, and ACC is now losing this income.

#### **New Cost-sharing formula:**

Total = no. papers submitted to ACC (year X+1) + no. papers submitted to CDC (year X)

ACC\_share = ACC\_only + ACC\_LCSS\_rejected

CDC\_share = CDC + ACC\_LCSS\_accepted

ACC Cost = (ACC\_share/Total) x \$61.7K ← *charged to year X+1 ACC*

CDC Cost = (CDC\_share/Total) x \$61.7K ← *charged to year X CDC*

As for the financial impact, Beck mentioned that there may be an estimated short-term loss of approximately \$2,500, with longer term gains expected from LCSS paper downloads.

### **Presentation of Recent TAC and TCNS papers at CDCs**

Vice President for Conference Activities C. Beck introduced the discussion on allowing authors of recent (e.g., preceding 18 months) CSS journal articles to present their work at CDC. Only abstracts for these papers would appear in the conference program, that is, there would be no associated conference paper in the proceedings. Note: this option is already in place for CCTA and TCST papers. Beck illustrated the motivation for this proposal: with increasing attention paid to overlap between conference papers and journal submissions by the same author(s), it is believed there has been a decreased interest in submitting new work to conferences. A discussion followed where the advantages and disadvantages of allowing authors to submit directly to CSS journals, but still present their work at CDC were considered.

### **IEEE Pubs Policy Changes**

Vice President for Publication Activities Y. Paschalidis presented to BoG some recent changes to the IEEE publication policy.

- ***EiC Desk Rejections:*** it was used to be able to reject papers for scope, formatting, etc., but not for not passing technical substance threshold (needed SE and AE). Now, EiC alone can desk-reject for lack of technical substance.
- ***AI-generated text:*** Papers need to disclose in Acknowledgments and cite the AI system used.

### **CSS Membership statistics**

Vice President for Member Activities Kristin Y. Pettersen presented some statistics related to membership. The total IEEE Control Systems Society membership (March 2023) is 7281. This is 102 members more than in March 2022, i.e., an increase of 1.4%. Comparing this with the overall IEEE membership, 26 Societies are up > 1% , 7 Societies are up +/- 1%, while 6 Societies are down > 1%. The Graduate Student Members and Student Members represent 13.1% of the total CSS Membership. The percentage of student members is thus the same as one year ago. With respect to gender diversity, the percentage of female members is 8,7%, which is also the same as one year ago, keeping the 1% increase that we had from 2021 to 2022. The membership count is slightly up, and the composition is quite stable with respect to last year. The student count has 17.75% female members, compared to the 8.7% we have in total, so this may predict that the number of female members will increase steadily in the coming years. A discussion about how to improve the society diversity numbers followed.

### **Appointment of Distinguished Lecturers**

Vice President for Member Activities Kristin Y. Pettersen illustrated the Distinguished Lecturers initiative. She mentioned that CSS currently has eight Distinguished Lecturers. Six were due to step down January 1, 2024. Two of these DLs were asked to extend their service by one year:

- Sean Meyn, University of Florida, US (2020 – 2024)
- Wei Ren, University of California at Riverside, US (2020 – 2024)

in addition to the two that are ongoing:

- Emilia Fridman, Tel Aviv University, Israel (2023 – 2025)
- Sandra Hirche, Technical University of Munich, Germany (2023-2025)

Pettersen informed BoG that ExCom approved the following nominations from the Distinguished Lecturer Chair in cooperation with the Industry Activities Chair:

New Distinguished Lecturers:

- Carolyn Beck (2024 – 2026)
- Ming Cao (2024 – 2026)
- Vijay Gupta (2024 – 2026)
- Ian Petersen (2024 – 2026)

New Distinguished Industry Lecturers:

- Ankur Ganguli (2024-2025)
- Thomas Jones (2024-2025)
- Thomas Badgwell (2024-2025)

### **CSS Financial Status**

Vice President for Financial Activities Jonathan How presented a status update on the CSS finances. He informed the BoG that the IEEE CSS is expected to end the 2023 fiscal year with a strong net. The bulk of the society's surplus is generated by our publications (periodical and conference proceedings). The 2024 budget process has just started and will be finalized over the summer. A summary of the CSS financial status was presented, with actual figures for the 2022 fiscal year, figures for the 2023 forecast for the end of year, and the most recent figures for the 2024 budget.

## Submitted Paper Survey at CDC 2022

Vice President for Diversity, Outreach and Development Hideaki Ishii presented the outcome of the survey on Submitted Paper Survey conducted before the CDC 2022. About 250 responses were collected. Ishii presented the questions and the associated statistics:

### 1. Current position

Grad student (50%), Postdoc (15%), Professor (23%), Research Engineer (9%)

### 2. Work sector

Academia (93%), Non-profit research institute (2%), Large company (2%)

### 3. Highest degree obtained

Master's (49%), PhD (44%), Bachelor (7%)

### 4. Gender (the closest one)

Male (84%), Female (15%), Prefer not to say (1%)

### 5. Citizenship status

Citizen of the country working/studying (60%)

Short-term resident or visitor of the country working/studying (21%)

Long-term resident of the country working/studying (18%)

### 6. Race / ethnicity

Mine represents a majority in the country (64%)

Mine is considered an underrepresented minority (33%)

Prefer not to say, Don't know, No idea, ... (< 1)

### 7. Current country of citizenship

US (15%), Italy (14%), India (10%), Germany (7%), China (6%), France (5%),

Mexico (5%), Netherlands (5%), Brazil (3%), Japan (3%), Columbia (2%),

Belgium (2%), Iran (2%), Russia (2%)

### 8. Country of residence

US (15%), Germany (13%), Italy (8%), Netherlands (7%), France (7%),

Sweden (4%), Japan (4%), Mexico (3%), Switzerland (3%), India (3%),

Belgium (2%), Brazil (2%), Iran (2.0%), UK (2.0%)

## TAB Committee on D&I Working Groups

Vice President for Diversity, Outreach and Development Hideaki Ishii reported on the TAB Committee on D&I Working Groups. The committee collects diversity related statistics every year, and the CSS should take part in this. He also mentioned the several volunteering opportunities.

## CSS Fund: Updates on initiatives

Vice President for Diversity, Outreach and Development Hideaki Ishii provided some updates on the CSS Fund. With the CSS Fund, the society made several large initiatives: (i) Empower a Billion Lives (EBL-II) and the CSS Graduate Collaboration Fellowship. He also presented ideas related to use the CSS Fund taken from other societies:

### *1. Developing Country Faculty Engagement Program (Robot. Autom. Soc.)*

- Faculty in developing countries work with RAS mentors for two years to publish in RAS conferences and journals
- Mentee and mentor write proposal for joint research
- Funding \$10K to \$20K

### *2. Graduate Student Scholarship (Photonics Society) and Outstanding Student Scholarship (Power & Energy Society)*

- To financially support students working in the field of interest of the Society
- Up to \$10,000 (10 to 20 students awarded annually)
- Evaluation based on education and research record, grades, references
- Both societies use their funds.

## President's Updates

The President presented an overview of the status of CSS and various important ongoing activities and updates. Specifically, he informed Bog on the following items:

- *IEEE's New Model for Journal Backlogs and Early Access*
  - **Background:** IEEE will start charging for papers as soon as they can be cited, i.e., when they are up as early access. That means that during the transition (two years, starting in 2024) we will get a big hit in terms of cost since we will be charged for all the papers that we would normally be charged for + the papers in early access.
  - **Idea 1:** Be much more aggressive in terms of flushing the backlog
  - **Idea 2:** FinCom Chair states that we might be allowed to dip into the reserves (outside of the normal 50% and 3% initiatives route) to cover this but we would need to bring it to TAB.
- *Transitioning Outreach Activities to VPDOD and Phasing Out of Outreach Task Force Committee and Committee Chair*
  - **Background:** VPDOD is managing the outreach processes and selection mechanisms and will chair the outreach committee
  - **Outcome:** We will phase out the outreach task force and chair position in 2024 and move this over to the VPDOD.
- *Conference Childcare Support*
  - **Background:** During the CDC 2022 audit the current structure of the childcare support (up to \$500 reimbursement covered by the conference) ran into legal troubles.
  - **Outcome:** The support is now a grant up to \$500 and will be covered by the society rather than the conference budget.
- *American Control Conference*
  - **Background:** The financial interfaces with A2C2 and ACC have been murky and needed to be clarified.
  - **Outcome:** New MOU between CSS and A2C2 that covers:
    - Student travel (increase by \$5K to \$15K/year)
    - L-CSS distribution (CSS pays \$15K/year to A2C2)
    - Updated CEB formula (that includes L-CSS papers)
    - Expectations about timing of invoices to CSS (should happen in the same year as the ACC is held.)
- *Informational/Discussion: Conference Budget Overhaul*
  - **Background:** The society finances continue to stay strong, and we are consistently returning a surplus to the CSS reserves (recently broke the \$20M mark). At the same time, our conferences keep getting more costly due to a combination of

inflation and the IEEE 20% surplus rule. It should be possible to lower the conference costs.

- **Idea 1:** Base budgets on previous *actuals* rather than *budgeted* numbers.
- **Idea 2:** Pull out costs from the conference budget and add them to the society budget instead (such as banquets and receptions?)
- **Status:** Ongoing conversations with IEEE about what is and what is not allowed.

A discussion followed from which it emerged that all those present were strongly in favor of actions aimed at keeping registration fees as limited as possible.

### Activity Reports

No additional activity reports were presented during the meeting. BoG members were referred to the material contained in the agenda and reports document for full details on all activity reports.

### Other Business

The next BoG meeting will take place in association with CDC2023. It is scheduled for Tuesday, December 12, 2023, at Marina Bay Sands, Singapore.

The meeting was adjourned at 5:00 pm (PDT, US)