

IEEE Denmark (IEEE-DK)

Amjad Anvari-Moghaddam, Section Chair

Section Vitality

Section Elections:

- Last Elections: September 2024 (Chapter Chair, Chair, Vice-Chair, Treasurer)
Last elections have been in September 2024 and the following officers were selected for a 2-year term (2025-2026):
 - vTools Coordinator: Chao Liu
 - Chapter Chair (Jt. Chapter VT06/AES10/IT12/COM19): Ramoni Adeogun
 - Student Representative: Mohib Ullah
 - Industry Relations Coordinator # 2: Vincenzo Esposito
 - Conference Coordinator: Yi Zhang

Executive Committee (ExCom) Meetings:

- Frequency: Monthly (Online – Physical)
- Key Meeting: June 13, 2025 (Planned - Physical):
 - IEEE DK Activities Overview
 - Joint Chapter Updates (Control System Society, Robotics and Automation Society, Computer Society, Signal Processing Society, Power & Energy Systems Society, Vehicular Technology Society, Aerospace and Electronic Systems Society, Information Theory and Communications Society, Industrial Electronics Society, Industry Applications Society, Power Electronics Society, Circuits and Systems Society, Electromagnetic Compatibility Society)
 - Public Relations and Young Professionals (YPR) Affinity Group Presentation
 - Women-in-Power/Student Activities
 - Financial Updates & Guidelines
 - IEEE DK Activity Boosters, Visibility Plan, Liaison, Plan for 2025-2026

Recent Membership Engagement Activities and Initiatives:

- Joint Administrative Meetings of the BENELUX/GERM/SWITZ/AUSTR/POL/ DK / FR Chapters for Coordination of Events, 20 Feb 2025 01:00 PM CET, CH08176, CH08087, CH08443, CH08027, CH08354, CH08888, CH08053
- EmpowerHER: Women's Impact in the Renewable Energy Sector, 04 Oct 2024 02:00 PM, CH08704
- EPS Nordic Chapter Seminar: Software engineering and formal methods for improved chip design productivity, 02 Oct 2024 03:30 PM, CH08228
- Joint IEEE Estonia-Denmark Annual Seminar, 05 Sep 2024 09:00 AM, R, 80025, Tallinn, Estonia
- IEEE Women in Engineering Webinar 2024 Event Theme – 'Digital Twin, 16 Aug 2024 02:00 PM, WE80025

Students

- IEEE Student Workshop #1 2025, 07 Feb 2025 02:00 PM CET, STB21481, R80025, STB21641, Aalborg, Nordjyllands Amt
- Continue organizing rotating student engagement workshops at three major universities (AAU, SDU, and DTU), led by industry representatives.
- Election of a new chair for student branch (Mohib Ullah)

Affinity Groups

One active student branch at AAU and Three affinity groups

- Women in Engineering (chaired by Sanja Lazarova-Molnar - SDU)
- Young Professionals (chaired by Jacob Thomas Puthukeril - SDU)
- Public Relations (chaired by Jacob Thomas Puthukeril - SDU).

Chapters

1. Joint Chapter Control System Society and Robotics and Automation Society

- *Chaired by Rafael Wisniewski, Prof. at Aalborg University (AAU), raf@es.aau.dk*
 - *Vice Chair Roberto Galeazzi, Associate Prof. (DTU)*
 - *Secretary Christoffer Sloth, Associate Prof. (SDU)*
2. Computer Society
- *Chaired by Jilin Hu, Associate Prof. at Aalborg University (AAU), hujilin@cs.aau.dk*
 - *Vice Chair Kaixuan Chen, Assistant Prof. (AAU)*
 - *Secretary Haomin Yu, Postdoc (AAU)*
3. Signal Processing Society
- *Chaired by Zheng-hua Tan, Prof. at Aalborg University (AAU), zt@es.aau.dk*
 - *Vice Chair Tommy Sonne Alstrøm, Associate Prof. (DTU)*
4. Power & Energy Systems Society
- *Chaired by Tilman Weckesser, Assistant Prof. (DTU), tweek@dtu.dk*
 - *Vice Chair Saeed Peyghami, Assistant Prof. (AAU)*
 - *Secretary Haris Ziras, Assistant Prof. (DTU)*
5. Joint Chapter Vehicular Technology Society, Aerospace and Electronic Systems Society, Information Theory and Communications Society (dissolved- new chair has been selected to reinitiate the chapter)
6. Joint Chapter Industrial Electronics Society, Industry Applications Society and Power Electronics Society
- *Chaired by Subham Sahoo, Associate Prof. at Aalborg University (AAU), sssa@energy.aau.dk*
7. Circuits and Systems Society
- *Chaired by Farshad Moradi, Assoc. Prof. Aarhus University (AU), moradi@eng.au.dk*
 - *Vice Chair Alberto Nannarelli, Associate Prof. (DTU)*
 - *Treasurer Hooman Farkhani, Assistant Prof. (AU)*
 - *Secretary Sonal Shreya, Postdoc (AU)*
8. Electromagnetic Compatibility Society
- *Chaired by Pooya Davari, Associate Prof. at Aalborg University (AAU), pda@et.aau.dk*
 - *Vice Chair Morten Sørensen, Associate Prof. (SDU)*
 - *Technical Activities, Per Thåstrup, Senior Technology Specialist (Force Technology)*
 - *Secretary Zhongting Tang, Research Assistant (AAU)*

Industry

- IEEE Power Electronics Society Distinguished Lecture "Wide Bandgap (WBG) Power Electronics Systems for Heavy-Duty Vehicles" - [Link](#)
- A Workshop on "Power Electronics Technology for Sustainable Future"- [Link](#)

Diversity, Equity and Inclusion

The IEEE Denmark Section has demonstrated a strong commitment to diversity and inclusion through targeted initiatives and practices. Tracking various metrics, including gender, age, geography, and employment, the Section actively promotes diversity within its leadership and membership. New initiatives, such as the establishment of a Diversity and Inclusion Task Force and outreach programs, highlight the Section's dedication to fostering an inclusive environment. Best practices, such as inclusive event planning and mentorship programs, ensure that diversity considerations are integrated into various aspects of Section activities. The progress made is evident in increased diversity within leadership roles, positive member feedback, and ongoing efforts to continually enhance the Section's inclusivity and representation.

Activities since the last report

As mentioned throughout the report, activities have been resuming, so we have a broad range of events organized by our chapters and affinity groups, which the section supports. We hope this will further improve as the pandemic situation resolves.

Here are the most important activities:

- Regular ExCom monthly/bimonthly meetings
- Regular quarterly meetings of ExCom and all chairs of Chapters and AGs
- Physical meeting in June for all of ExCom and all chairs of Chapters and AGs at the Denmark Technical University

Title	Date	Host	Location
<u>Seminar by Mladen Čičić: Modelling and Control of Coupled EV Traffic and Power Grid</u>	17 Mar 2025 10:30 AM CET	CH08704	
<u>CIGRE NGN & WIE - Women's Power Talk (IEEE PES DK co-sponsored)</u>	12 Mar 2025 03:00 PM CET	CH08704	
<u>Workshop: Quantum Hardware Engineering</u>	06 Mar 2025 09:31 AM CET	CH08995	<u>Lyngby, Copenhagen, Københavns Kommune</u>
<u>Joint Administrative Meetings of the BENELUX/GERM/SWITZ/AUSTR/POL/ DK / FR Chapters for Coordination of Events</u>	20 Feb 2025 01:00 PM CET	CH08176, CH08087, CH08443, CH08027, CH08354, CH08888, CH08053	
<u>PhD defense - Aysegül Kahraman - Enhancing Multi Energy Systems Operations Under Uncertainty</u>	20 Feb 2025 09:00 AM CET	CH08704	<u>Kongens Lyngby, Københavns Amt</u>
<u>IEEE Student Workshop 2025</u>	07 Feb 2025 02:00 PM CET	STB21481, R80025, STB21641	<u>Aalborg, Nordjyllands Amt</u>
<u>IEEE CAS DL: Towards energy-autonomous and low-cost distributed sensor node: approaches and perspectives</u>	09 Dec 2024 01:25 PM CET	CH08995, R80025	<u>Aarhus, Aarhus Amt</u>
<u>Danish Chip Industry and Impact: IEEE CAS celebrates 75th Anniversary</u>	09 Dec 2024 12:00 PM CET	CH08995, WE80025	<u>Aarhus, Aarhus Amt</u>
<u>IEEE CS EXA DVP Event 2024 - Region 8 Talk : COMP-Geographic Activities</u>	05 Dec 2024 09:00 AM CET	C016GA, C016-630, C016-872, CH08474, CH08464, CH08263, CH08494	

<u>e2flex - How willing are EV owners to provide flexibility?</u>	04 Dec 2024 01:00 PM CET	CH08704	<u>Kgs. Lyngby, Kobenhavns Amt</u>
<u>Presentation of Supra-EMC project</u>	03 Dec 2024 01:45 AM CET	CH08888	
<u>IEEE CS ALL R8 Online Summit</u>	19 Nov 2024 04:00 PM CET	C016GA, CH08234, CH08263, CH08809, CH08440, CH08203, CH08819, CH08658, CH08361, CH08004, CH08634	
<u>Ising-CIM: Advancing Ising Accelerators for Combinatorial Optimization Problems with Compute-in-Memory Design Approach</u>	01 Nov 2024 02:00 PM CET	CH08995	
<u>A Brief Introduction to Parasitic Capacitance in Magnetic Components</u>	30 Oct 2024 02:00 PM CET	CH08888	
<u>EmpowerHER: Women's Impact in the Renewable Energy Sector</u>	04 Oct 2024 02:00 PM CEST	CH08704	<u>Kgs. Lyngby, Kobenhavns Amt</u>
<u>EPS Nordic Chapter Seminar: Software engineering and formal methods for improved chip design productivity</u>	02 Oct 2024 03:30 PM CEST	CH08228	

Planned activities

Here are some examples of proposed activities that have been planned by our chapters and the section:

- Continue with all regular meetings.

Title	Date	Host	Location
<u>A Brief Introduction to Parasitic Capacitance in Magnetic Components</u>	30 Oct 2024 02:00 PM	CH08888	
Student Engagement workshops led by industry representatives	25 Nov 2024, 24 Feb 2025		

How Region 8 can be of help to your Section, members, and activities

The IEEE Denmark Section faces several challenges that could benefit from support and discussion within Region 8. Challenges include maintaining consistent member engagement, especially during virtual events, ensuring diversity and inclusion initiatives are effective and impactful, and addressing resource constraints for organizing larger-scale activities. Support from Region 8 in terms of sharing best practices for virtual engagement, offering guidance on effective diversity and inclusion strategies, and providing resources for organizing events would be valuable. Additionally, discussions during the R8 Committee meeting on fostering collaboration among neighboring Sections, addressing shared challenges, and exploring joint

initiatives could provide insights and solutions. Suggestions for agenda items include a focus on member retention strategies, sharing successful virtual event models, and exploring collaborative opportunities to maximize the impact of IEEE activities in the region.

Any other issues of interest