

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 (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, Electro-magnetic 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), tweck@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
Technical Talk	20 Jun 2025 03:56 PM CEST	R80025	Toronto, Ontario
Edge AI / TinyML - 2 day workshop	16 Jun 2025 08:30 AM CEST	CH08995, WE80025	Aarhus, Arhus Amt
IEEE DK Section Meeting 2025	13 Jun 2025 10:00 AM CEST	R80025	Aarhus, Arhus Amt
Stability Modelling and Analysis of Converter Driven Power System - Webinar by Prof. Bikash Pal	27 May 2025 01:00 PM CEST	CH08885, CH08704	
Battery webinar	21 May 2025 09:00 AM CEST	CH08067, R80025	
IEEE Denmark WiE Webinar- Deep Mind to Deep Tech	09 May 2025 03:00 PM CEST	WE80025	
One-day workshop Hacking piezoelectrics for next-gen electromechanical devices	08 May 2025 08:30 AM CEST	R80025, SBC216411	DTU Building 101, Anker Engellunds Vej 1, 2800 Kongens Lyngby, Kobenhavns Kommune
Nordic IEEE SPS - Synergy in Signals: MR-Driven Biomarkers and Computational Analytics for Neurodegenerative Stratification	15 Apr 2025 01:00 PM CEST	CH08355, CH08526, CH08056, CH08238	
Nordic IEEE SPS - Synergy in Signals: MR-Driven Biomarkers and Computational Analytics for Neurodegenerative Stratification	15 Apr 2025 01:00 PM CEST	CH08355, CH08526, CH08056, CH08238	
IEEE WiE AG Annual Meeting	21 Mar 2025 03:00 PM CET	WE80025	Aarhus N, Arhus Amt

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