



Section Name

Reporting Officer Name

Section Vitality

Please provide information about the date of last Section elections, date of next elections, and do you have the practice of Vice-Chair becoming the next Section Chair. Section ExCom meetings (list them and provide brief summary if appropriate). List the activities carried out to retain and recruit members and the results obtained.

Last elections have been in January 2022, and Sanja Lazarova-Molnar (who was an Interim Chair) was elected as a Chair starting February 2022 and Amjad Anvari-Moghaddam as Vice-Chair. In the meantime, we appointed the ex-Vice-Chair (Anders Mynster) as a 2nd Industry Relations Officer, since he is from the Danish industry, and has been striving to connect the local industry with the section. There was an ExCom meeting in November 2021, and there will be another online one in March 2022. In May 2022, there will be a physical meeting at the University of Southern Denmark, for the ExCom + Chapter/Affinity Group Chairs. Throughout the year there has been an active email communication among the ExCom members.

Because of the COVID-19 impact, the Section has been a bit idle during the past two year, although there have still been a number of activities. The Section has also focused on organizing virtual events to attract different groups of people, hoping that soon physical events will once again become more common. Additionally, there have been a number of events that have shown an increased level of activities, as pointed out in the following sections.

The total number of section members has gone down from six months ago, typical for this time of the year and also similar to last year this time (782 last year, 768 now). Ca. 9% are female and ca. 9% are of unknown gender. By the next reporting cycle, we would expect a slight increase of members, as well as female members, along with the organization of various online events, but also physical ones. In addition, the section offers are well balanced between industrial and academic members, which is another aspect benefiting the membership development of the entire section. We provide more details on the activities in the information on the section vitality, which are both very tightly related.

Students

List of Student Branches (SB) in your Section, the newly formed or dissolved SBs, if any since the last meeting reporting (Oct 2020). List the student meetings held and Section activities addressed to Students and Young Professionals.

There has been no student activity since the last report. The two students branches in the IEEE Denmark Section have been a bit idle during the lockdown period, and now, are gradually resuming the activities, e.g., making newsletters, organizing online events, etc. The Section as usual will continue support students and young professionals, keep the student branches active, and co-organize events with YP and WiE AGs, in order to attract more students and young professionals.

In particular, the student branch at Aalborg University relaunched the branch with completely new members and did a lot of recruitment by some online advertising and distribution flyers and finally, by carrying a summer social event with a lot of participants where we succeeded in recruiting new members, so we actually have a fully functional Aalborg University student branch at this point.

Affinity Groups

List of Affinity Groups (YP, LM, WiE, SIGHT, etc.), list of SB AGs, newly formed or dissolved AGs/SB AGs, if any since the last meeting reporting (Oct 2021). List the activities intended to support affinity groups.

We have three active affinity groups: YP and WiE, and one recent - Women in Power Denmark – an affinity group of IEEE PES-Denmark. In the period since the last report, there hasn't been any reported events. YP had a change in leadership due to practical reasons, and this has caused some disruption in the activities.

WiE-steering group had a number of meetings in the past period and plans a physical event in Sept/Oct 2022.

Chapters

List of Chapters and SB Chapters in your Section, the newly formed or dissolved Chapters, if any since the last meeting reporting (Oct 2021). Indicate how many have reported on time and received rebate. Highlight some of the activities.

CSS/RA: Reporting completed on time. No rebate. The chapter helped in the formation of a Danish robotics research cluster and supported a series of online workshops across all Danish universities.

-

PES Subchapter: In October: PES DK got its own webpage <https://r8.ieee.org/denmark-pes>

- In November 2021: WiP held a public event "Stories from Female Role Models"¹¹.

Financially

¹¹ <https://events.vtools.ieee.org/m/288869>

- In 2021, PES DK has an approved budget of 8400 DKK, 50% financed by IEEE-DK.

During 2021, 2000 DKK has been transferred to PES-DK in cash, with approx. 1400 DKK spent on supporting relevant activities

EMC: 2 professional talks in October 2021

Circuits and Systems Society: Talk on Integrated Circuits and Microsystems for Emerging Biomedical Applications (Nov 2021)

IEEE Nanotechnology: 3 talks in November 2021

Industry

List the activities carried out to foster relations with Industry and the results obtained.

We have 2 appointed Industry Relations Coordinators in the Section, who are also from the Danish Industry. There was a virtual event IEEE Virtual Workshop on Synergies Between Industry-Academia Partnership in October 2021. In this workshop industry and academia experts delivered their presentations on the topics related to how to strengthen industry academia relationship in terms of knowledge sharing, technology development and technology transfer.

Activities since the last report

Highlight some of the activities in your Section, with special attention to the things that work well, and things that don't, so that your acquired know-how can be used by other Sections.

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.

Planned activities

Highlight some of the future activities and initiatives in your Section.

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

- **Joint Chapter Control System Society and Robotics and Automation Society**: See events reported in Vtools during 2021: Danish Robotics Research Webinar Series 4/4, Danish Robotics Research Webinar Series 3/4 and Danish Robotics Research Updates – AU.
- **PES Society**: 3 tech events in June, August and November, as well as 2 non-tech events in July and November.
- **Joint Chapter Industrial Electronics Society/Industry Applications/PES**:
3 IEEE invited lectures
Targeted invitees/lecturers are:
Dr. Esther Mengelkamp, Karlsruher Institut für Technologie, GER
Dr. Claudia Rahmann, University of Chile, CL
Dr. Alessandra Parisio, University of Manchester, UK
and
1 industrial workshop at DTU
Target topics is:
a) Unlocking the flexibility of industrial motor systems (Invitees Danfoss Drives, BEOF)
More activities are planned, but these ones above are guaranteed.
- **Electromagnetic Compatibility Society Chapter**:
 - Polish-Denmark EMC Marathon, Date: 21 April, Type: Webinar
 - EMC Society Denmark Day, Date: October/November, Type: Physical (We will invite distinguished guest lectures)
 - Student Thesis competition, Deadline: July 1st, Type: award will be given on EMC day + award winners will give a short presentation
 - EMC Society Cohosting SDU EMC Competence group meeting, Date: September, Type: Physical/Hybrid
 - Invited EMC talk/lecture series, Date: 4 will be hosted in 2022, Type: Webinar
- Job Interview tips/job application writing workshop for IEEE student members
- Internet Portal of IEEE Denmark section showcasing available expertise from academia, project, achievements, scholars (industry can be benefitted by sponsoring research projects to academia)
- Master and Doctoral Thesis competitions, from DTU, AU, SDU and AAU scholars
- **EMC Society Denmark Launch**: Annual EMC Society Denmark Seminar, physical event, Hosted Either at AAU, SDU or FORCE
- **By the industry relations officers**:
 - In February/March'22. :
Job Interview tips/job application writing training for CIE/IEEE student members

- *In April/May'22.*
Invited Lecture of Professional expert on Technology Transfer between academia and Industry
- *In May/June'22.*
How to become successful entrepreneur, expert talk for IEEE student members
- *In August/September'22.*
Electrical machines technology for enabling green energy transformation: Expert lecture of the Industry professional

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

List any challenges you Section is facing and what support is required from the Region 8. Please, also, give us your suggestions for agenda items that you want to be discussed during the R8 Committee meeting.

Any other issues of interest