

IEEE Estonia Section

Andrii Chub, Chair

Section Vitality

The last IEEE Estonia Section Board elections were conducted in November/December 2024. From January 1, 2025, the Section Board is composed of the following volunteers:

- Andrii Chub, Chair
- Yannick Le Moullec, Vice-Chair
- Urmet Jänes, Treasurer
- Toomas Vaimann, Secretary

The voting results were publicly reported at the IEEE Estonia Section webpage: <https://iee.ee/2024/12/04/iee-estonia-section-board-election-results-announced-leadership-roles-confirmed/>

Starting from the beginning of 2025, the ExCom meetings are organized quarterly. Spring meetings (typically in mid-March) are conducted online and attended by most of the section members. Twice a year (June and December), the extended ExCom meetings are organized in person for better interaction between the members. The largest ExCom meeting is hosted during the annual seminar of the IEEE Estonia Section in August/September. In 2023, the Section was recognized for the Outstanding Recruitment and Retention Performance. Later, in 2024, we were able to increase the number of members in the Section from 223 (September 2023) to 265 (September 2024), thus surpassing the goals for new member recruitment for the year 2024 membership. As of March 20, 2025, the IEEE Estonia Section has 208 members, while we are working on retaining the previous members to achieve 280 members by the end of 2025.



Students

Student Branches of the IEEE Estonia Section:

1. Tallinn University of Technology and Tallinn University – 66 (20.03.2025) student & graduate student members, Chair: Suleman Saeed, Co-chair: Maninder Choudhary (both started in January 2025).
2. University of Tartu – 14 (20.03.2025) student & graduate student members, Chair: Matevz Zorec, Co-chair: Farnaz Baksh (both started in January 2025). We expect a serious boost of this number close to the IEEEExtreme, when many students typically join.
3. Tallinn University of Technology Industrial Electronics Society Student Branch Chapter – 14 (20.03.2025) student & graduate student members, Chair: Sayeed Hasan (appointed till end of 2025).

IEEE Estonia Section actively supports all students and YP activities, both technically and financially. Student branches demonstrated an outstanding performance and greatly helped the Section in the following actions:

1. Promotion of the section and chapters activities to students through social media channels and the IEEE.EE webpage.
2. Providing technical assistance to the chapter members for using the IEEE Section webpage.
3. Organization of guest lectures, webinars, visits to the research labs and industrial companies.

Affinity Groups:

- **IEEE Estonia Section Young Professionals AG** – 91 members, Chair: Edivan Laercio Carvalho, Vice-Chair: Sreenath Sukumaran. The new leadership team is very active, and we hope to increase this group to 130+ members by the end of the year.

- We are working on restructuring our **WiE AG**. Currently, candidates for leadership positions have been found, and the election will be conducted in early April 2025.

Chapters

1. Education [E25 (CH08649)], Chair: Valery Vodovozov. 8 members in March 2025.
2. Computer/Communications/Information Theory [C16/COM19/IT12 (CH08494)], Chair: Kalle Tammema (interim for 1 year to restructure leadership team). 25 members in March 2025.
3. Instrumentation and Measurement/Electron Devices/Engineering in Medicine and Biology [IM09/ED15/EMB18 (CH08500)], Chair: Tamas Pardy, Vice-Chair: Margus Metshein. 16 members in March 2025.
4. Signal Processing/Circuits and Systems/Solid-State Circuits [SP01/CAS04/SSC37 (CH08269)], Chair: Gert Tamberg. 14 members in March 2025.
5. Industrial Electronics / Power Electronics / Industry Applications / Power & Energy Joint Societies Chapter [PE31/IA34/PEL35/IE13 (CH08831)], Chair: Andrei Blinov, Vice-Chair: Dmitri Vinnikov. 31 members in March 2025
6. Robotics & Automation / Systems, Man, and Cybernetics / Circuits & Systems Joint Societies Chapter [RA24/CS23/SMC28] (reformed in February 2025, previously Robotics and Automation Society Chapter) [CH08521], Chair: Vladimir Kuts, Vice-Chair: Karl Kruusamae, Secretary: Aleksei Tepljakov. 41 members in March 2025.

Industry

Dr. Jüri Joller has been the Industry Ambassador of the Section since September 2022. Currently, we are working on strengthening our contacts with industry, widening awareness, and improving the dissemination and information exchange with the local industrial companies, allowing them to take advantage of the opportunities the IEEE gives.

Initiatives

1. The joint chapter of IM/ED/EMB Societies has established the IEEE Thomas Johann Seebeck Electronics Club to increase the engagement of students in IEEE and raise awareness about the Section and chapter. A webpage was established to disseminate the club: <https://sites.google.com/view/thomasjohannseebeckelectronics/home>
2. A team of motivated IEEE members is working on recruiting new members to create a new chapter of the IEEE Vehicular Technology Society.
3. The best student thesis/dissertation award was established to promote IEEE among students.

Activities since the last report

- 23 Oct 2024: IEEE Latvia-Estonia IAS-RAS Interchapter Event 2024
- 04 Nov 2024: Lecture "The Role of Power Electronics in Energy Transition"
- 05 Nov 2024: IEEE RAS Estonia - Open Lecture on Robotics: Human-Robot Collaboration
- 18 Nov 2024: Unreal Engine Workshop: Introduction to UEFN
- 20 Nov 2024: FOMCON Toolbox and Recent Advances in Robust Fractional-order Control
- 26 Nov 2024: Meeting with delegation from Virumaa College
- 03 Dec 2024: Workshop "Amazing Robotics"
- 03 Dec 2024: Best Dissertation Awards 2023
- 04 Dec 2024: ReImagine Lab: Exploring the Future of Control Engineering Education
- 05 Dec 2024: IEEE CS EXA DVP Event 2024 - Region 8 Talk : COMP-Geographic Activities
- 13 Dec 2024: Follow up event: Time-frequency transforms, with applications
- 13 Jan 2025: Presenting Education chapter of Estonian IEEE section in Torino, Italy
- 05 Feb 2025: TalTech IVAR and IEEE RAS (TalTech) "roll a ball" Winter teamwork event
- 07 Feb 2025: IEEE Lithuania Section ExCom Meeting for Opening 2025
- 21 Feb 2025: Lecture "Opportunities and Career Development with IEEE"
- 26 Feb 2025: Workshop/Webinar "Technical Writing for Industry: Bridging Science and Practice"
- 03 Mar 2025: Workshop: PRESENTING ESTONIAN IEEE EDUCATION SOCIETY CHAPTER in GWALIOR, INDIA
- 19 Mar 2025: Robotics and Computer Engineering Seminar on ROS & Robotics in Practice #1
- 26 Mar 2025: Robotics and Computer Engineering Seminar on ROS & Robotics in Practice #2
- 02 Apr 2025: Robotics and Computer Engineering Seminar on ROS & Robotics in Practice #3

The list of events is available at <https://ieecee.org/events/> and <https://vtools.ieee.org/>.

From the report, it could be seen that we progressively boosted cross-border collaboration with the neighboring IEEE section.

Planned activities for Spring-Summer'2024

- The Section will continuously focus on boosting the members' activity, which has been rather moderate. To this end, we are actively experimenting with several kinds of social events to have closer interactions between the members.
- Technical co-sponsorship of the 17th International Conference on Cyber Conflict (CyCon'2025) which will be held in Tallinn, Estonia, from May 27 to 30, 2025.
- Technical co-sponsorship of the 9th International Summer Seminar "Intelligent and Efficient Energy Management for Zero Energy and Resource Efficient Smart Buildings and Districts" from June 13 to 15, 2024.
- The 19th IEEE International Conference on Control & Automation (IEEE ICCA 2025) will be held Tuesday through Friday, June 30~July 3, 2025, in Tallinn, Estonia.
- The 30th IEEE European Test Symposium (ETS'2025) will be organized by Tallinn University of Technology (TalTech) on May 26 - 30, 2025.
- The 7th IEEE International Conference on DC Microgrids (ICDCM 2025) will be organized by TalTech on June 4 - 6, 2025, in Tallinn, Estonia.



Attendees of the Annual Seminar of the IEEE Estonia section in Viinistu Art Hotel (September 6, 2024), including representatives of IEEE sections from Denmark, Latvia, and Lithuania.