

## IEEE Estonia Section

**Dmitri Vinnikov, Chair**

### Section Vitality

Last elections of the IEEE Estonia Section Board have been conducted in December 2022. Starting from January, 2023 the Section Board is represented by the following volunteers:

- Dmitri Vinnikov, Chair
- Vladimir Kuts, Vice-Chair
- Roya Ahmadi, Secretary
- Urmet Jänes, Treasurer

In 2022 the ExCom meetings have been organized bi-monthly. Meetings are mostly conducted online and attended by most of the board 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 2021 for meeting both the recruitment and retention goals the Estonia Section was recognized by the golden medal. In 2022-23 the overall performance of the section was kept at the same level.

### Students

Student Branches of the IEEE Estonia Section:

1. Tallinn University of Technology and Tallinn University - 62 student & graduate student members, Chair: Arqum Shahid (elected in 2023), Counselor: Omar Abdelghafour (elected in 2021)
2. University of Tartu - 24 student & graduate student members, Chair: Junming Ke (elected in 2021)
3. Tallinn University of Technology Industrial Electronics Society Student Branch Chapter, 18 student & graduate student members, Chair: Vadim Sidorov, Vice-Chair: Pietro Emiliani (the new elections will be conducted in fall 2023).

IEEE Estonia Section actively supports all students and YP activities, both technically and financially. Tallinn University of Technology SB demonstrated an outstanding activity and 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.

**Affinity Groups** - IEEE Estonia Section Young Professionals AG – 101 members, chair: Aleksei Tepljakov, re-elected in January 2023).

### Chapters

1. Education [E25 (CH08649)], Chair: Valery Vodovozov; Vice-Chair: Zoja Raud (both elected in 2022). 10 members in July 2023 (12 in Sept 2022).
2. Computer/Communications/Information Theory [C16/COM19/IT12 (CH08494)], Chair: Tõnu Trump (elected in 2023), 34 members in July 2023 (41 in Sept 2022).
3. Instrumentation and Measurement/Electron Devices/Engineering in Medicine and Biology [IM09/ED15/EMB18 (CH08500)], Chair: Paul Annus. 12 members in July 2023 (14 in Sept 2022).
4. Signal Processing/Circuits and Systems/Solid-State Circuits [SP01/CAS04/SSC37 (CH08269)], Chair: Gert Tamberg. 13 members in July 2023 (18 in Sept 2022).
5. Industrial Electronics / Power Electronics / Industry Applications / Power & Energy Joint Societies Chapter [PE31/IA34/PEL35/IE13], Chair: Andrii Chub, Vice-Chair: Andrei Blinov. 45 members in July 2023 (41 in Sept 2022).

### Industry

Dr. Jüri Joller was elected as Industry Ambassador of the Section in September 2022. In the next 2 years we expect to refresh our contacts with industry, improve the dissemination and information exchange with the local industrial companies, which will allow them to take the advantages of the opportunities given by the IEEE.

### Activities since the last report

- Technical co-sponsorship of the conference “26<sup>th</sup> International Symposium on Design and Diagnostics of Electronic Circuits and Systems DDECS’23”, May 3-5, 2023, Tallinn, Estonia.
- Technical co-sponsorship of the conference “17<sup>th</sup> International Conference on Compatibility, Power Electronics and Power Engineering, CPE-POWERENG 2023”, June 14-16, Tallinn, Estonia.
- "The Current Research Projects: PV-Battery Hybrid Power Plant and DC Hybrid Circuit Breaker" - open lecture by Prof. Fang Z. Peng (Florida State University, USA) dedicated to IEEE PELS Day (Tallinn, 13.06.2023)
- Midsummer's Eve ExCom meeting of the Section (Tallinn, 20.06.2023).
- From Academia to Industry: Young Professionals in the Modern Work Landscape. Networking event of the IEEE Estonia Section Young Professionals AG, May 25, 2023.

- Webinar “Electric Vehicles and Charging Infrastructure” by Andrei Blinov, Oleksandr Husev, Parham Mohseni, Mohammad Mahad Nadeem, Oskar Kreft, Juhan Härm. May 15, 2023.
- The list of events is available at <https://ieee.ee/events/>

**Planned activities for Fall’2023**

- The Section will be continuously focusing 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 more closer interactions between the members.
- Formation of the IEEE R8 Estonia, Latvia and Lithuania Sections Joint LMAG (Baltic LMAG).
- Participation in the IEEE Baltic Sections Summit, Lithuania, 31.08-03.09.2023.
- Organization of the Annual Seminar of the IEEE Estonia section (September 8-9, 2023).
- Co-organization of the IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON’23), Riga, Latvia, October 9-11, 2023.
- Technical co-sponsorship of the 4<sup>th</sup> Estonian DC Innovation Workshop, November 22, 2023, Tallinn.



*Attendees of the 26<sup>th</sup> International Symposium on Design and Diagnostics of Electronic Circuits and Systems DDECS’23, May’2023, Tallinn*



*Attendees of the 17<sup>th</sup> International Conference on Compatibility, Power Electronics and Power Engineering, CPE-POWERENG 2023, June’2023, Tallinn*



*Attendees of the open lecture by Prof. Fang Z. Peng. June’2023, Tallinn*