Latvia Section   Section chair Anastasija Ziravecka
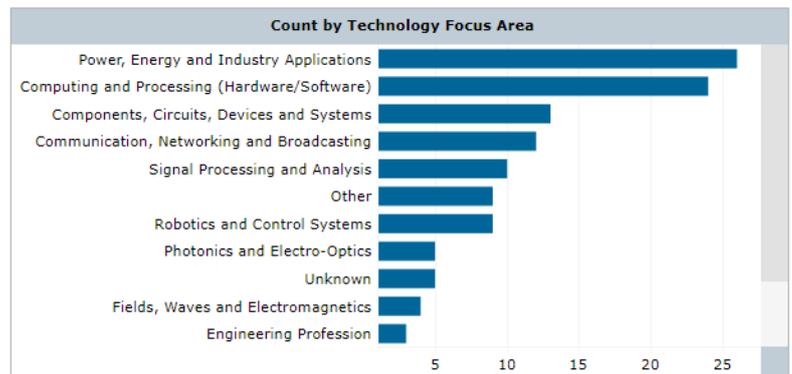
Section Vitality

The process of IEEE Latvia Section foundation started in 2004, when IEEE Lithuania Section Officers visiting Riga Technical University. Finally, in 2007, during the meeting of European Nordic and Baltic countries IEEE Section officers, which was held in Riga, IEEE members from Latvia formed petition for the creation of Latvia Section. IEEE Latvia Section was founded February 16, 2008, with the first elected Chair Professor Leonids Ribickis. Since its creation, the Latvia Section has been working professionally in various activities.

The number of active members is almost constant on our section.

The number of active members for now in July 2023 is 125 active members: Life Members -2, Senior Members -12, Members - 77, Student Member 8.

Chair: Anastasija Ziravecka
Vice Chair: Nadezhda Kunicina
Secretary: Armands Senfelds
Treasurer: Andrejs Romanovs
Honorary Chair: Leonids Ribickis
Membership Development - Anna Litvinenko
Industry Relations Coordinator - Janis Zakis

Professional Activities - Arturs Aboltins

Count by Technology Focus Area

2020 Outstanding Section Membership Retention Performance
Latvia Section

2019 Outstanding Section Membership Recruitment Performance
Latvia Section

2017 Outstanding Section Membership Recruitment and Retention Performance
Latvia Section

The date of last Section elections was on November 2021, date of next elections will be November 2023, and we have the practice of Vice-Chair becoming the next Section Chair, but in our case also Secretary will be in list, the candidates application process is open now. Section ExCom meetings is still very helpful.

List the activities carried out to retain and recruit members and the results obtained.

The face to face member inspiring conversations, is the best and most efficient tool for us, newer the less, the centralized activities, specially oriented towards new generation will be organised, for example co-sponsorship of annual events for IEEE students, like:
- The IEEE Workshop on Advances in Information, Electronic and Electrical Engineering AIEEE'2023 organised in cooperation with Lithuania Section;
- Series of technical seminars for undergraduate students

-The Latvian section working in the continuous attraction paradigm, we are looking for undergraduate students to become of members and be aware about this possibility from very early stage of studies. The involvement of early stage young professionals is and most efficient form of attraction in IEEE Latvia section.

Students

RTU Student branch experience is based on attracting of new members, based on development to research try disseminating results of previous research are promoted during the study process beginning from bachelor level until the doctoral studies

organising the annual student's research conference. Therefore, during the study process the students can identity their research interests and to be involved into the research branches/ chapters.

- – Internship Office cooperation in internship programs
- – Special activities such as: IEEE day in Riga Technical University, Student lectures and ect
- – Contest of prototypes in 2023 October co – join with RTUCON2023 IST fest co – join with IEEE day events.

Chapters

IEEE Latvia Section COM/MTT/AP Joint Societies Chapter Chair: Arturs Aboltins
IEEE Latvia Section Power Electronic, Industrial Electronic and Industrial Application Societies Joint Chapter
Chapter Chair: Ilja Galkins
IEEE Education Society Latvia Chapter: Guntis Arnicans
IEEE Computer Society Latvia Chapter: Janis Grabis
IEEE Latvia Section Student Branch: Martins Marcinkevics

Affinity Groups

List of Affinity Groups planned to be formed (YP, SIGHT).

IEEE Latvia Section of Women in Engineering Affinity Group: Anna Mutule

Most important activities:

- 10-12 of October: 63th International Scientific Conference on Power and Electrical Engineering of Riga Technical University, Riga, Latvia http://www.conference.rtu.lv/
- 4-6 October IEEE Day, IEEE Workshop on Microwave Theory and Techniques in Wireless Communications MTTW 2023 http://mttw.org/
- 6-7 October IEEE Section of Information Technology and Management Science (ITMS'2023) http://itms.rtu.lv/
- The 34rd Conference of the Open Innovations Association FRUCT is co-organized by FRUCT Association and Riga Technical University. The conference will be held in Riga (Latvia) on **15-17 November 2023**

Industry

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

• facilitate bilateral research and industrial project development

• lifelong learning traineeships for industry

• collaboration with the largest professional associations (e.g., Latvian Information Technology and Telecommunications Association, Association of Latvian Electrical Engineering and Electronics Enterprises)

• organizing of Industry Tracks on Section supported conferences

• technical and financial sponsorship of local IEEE events with invited industry speakers

• planning of student's internship development

Diversity, Equity and Inclusion

The biggest challenge is to integrate our temporary mowed colleagues from Ukraine

Activities since the last report

planning of new activities for school people

 4 conferences organisation

Regular activites

Planned activities

The technological development, industry interests and availability of new developers, as well as support of experienced academic staff opens new opportunities for the testing of new ideas and develop construction and prototyping skills in groups of undergraduate students are basic motivation for strengthening of creative thinking. Availability of laboratory resources and flexibility of students' time planning is giving an opportunity to introduce market oriented prototyping and industry – academia internships from very early stage of education of electrical engineering students. The training students in new product design is a very good opportunity to connect entrepreneurs with students and in the same to teach students to realise new ideas and fulfil market needs, it increases motivation of students in teaching. Industry sponsor Latvenergo, already supported our activities.

IEEE talks during summer school took place: https://ieei.rtu.lv/ids-ecst/ 26-28 May of 2023

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

Actively coordinated cross section activities towards project development

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

Distribute e –notice CFP for all R8 members

Any other issues of interest

CALL FOR PARTICIPATION
The 34ᵗʰ Conference of Open Innovations Association FRUCT
Riga, Latvia, 15-17 November 2023

Overview

FRUCT conference is a high-quality scientific event for meeting academia and business people and setting projects. The average conference is attended by 150+ participants from academia and industry. The average **acceptance rate is 40%**. Traditionally the conference attracts most active and talented students to present their R&D projects, meet interesting colleagues, create new teams, and find employers and investors. The conference invites the world-class academic and industrial experts to lecture on the hottest topics. We welcome submitting papers and take part in the conference, present your research results. The FRUCT conference **allows both onsite and online participation**. The conference offers low registration fee. FRUCT doesn't offer deadline extension, but **we offer the Early-bird submission** with the additional review cycle. For further details please refer to http://www.fruct.org/cfp.

List of conference topics

- ✓ Artificial Intelligence in Text Analysis and Generation
- ✓ Artificial Intelligence, Robotics and Automation
- ✓ Big Data, Knowledge Management, Data Mining Systems
- ✓ Cloud, Fog and Edge Computing and Engineering, HPC
- ✓ Coding Theory, DevOps and DevSecOps Technologies
- ✓ Commercialization of Technologies and Digital Economy
- ✓ Emerging Wireless Technologies, 5G and beyond
- ✓ Gamification, E-learning and Smart Data in Education
- ✓ Internet of Things: Apps and Enabling Technologies
- ✓ Location Based Services: Navigation, Logistics, Tourism
- ✓ Natural Language Processing and Speech Technologies
- ✓ Predictive Analytics, Probability and Statistics
- ✓ Wearable Electronics: Novel Architectures and Solutions
- ✓ Workshop: Investigating and Mitigating Climate Changes

- ✓ Algorithms and Modeling
- ✓ Artificial Intelligence Applications
- ✓ Audio Pattern Recognition, Semantic Audio
- ✓ Blockchain Technology and Applications
- ✓ Computer Vision, Image & Video Processing
- ✓ Crowdsourcing and Collective Intelligence
- ✓ e-Health and Wellbeing
- ✓ Intelligence, Social Mining and Web
- ✓ Networks and Applications
- ✓ Security and Privacy
- ✓ Smart Systems and Embedded Networks
- ✓ Software Design, Innovative Applications
- ✓ Workshop: The DataWorld

Call for papers

Depending on the type and maturity level please submit your work into one of the following 3 categories:

1. **Full paper** (min 6 full pages, max 12 pages)   OR   2. **Short paper** (min 2 pages, max 6 pages)

Submission deadline: 15 September 2023   **Early-bird deadline: 14 August 2023**

Notification of acceptance: **13 October 2023**   Camera-ready deadline: **20 October 2023**

3. **Poster / Demo proposal:** submission deadline: **6 November 2023**