

Slovenia Section

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Section Vitality

The Slovenia section had last elections at the end of 2019 for the period 2020-21. We plan to hold the next section elections in December 2021. We have several ExCom meetings during the year and the last meeting was in conjunction with the section assembly in February 2021.

This year we celebrate 50th Slovenia section anniversary. We plan to implement several promotional and technical activities with Slovenia section chapters and related organizations to make the IEEE in Slovenia more visible, retain and recruit new members. We will maintain good relations to related organizations in Slovenia: universities, institutes, Electrotechnical Association of Slovenia and ACM Slovenia.

Students

Slovenia section has two Student Branches connected with two major universities: Ljubljana SB and Maribor SB. The section SB counselors help the students with the organizational issues. We encourage the students to prepare IEEE day where we are able to address potential new members. The students regularly attend local IEEE student competition organized by the Slovenia section and we send best papers from both student branches to the region competition. This year, a paper from SB Ljubljana in selected among the best five papers in R8 SPC.

Affinity Groups

We have YP, LM and WiE Affinity Groups. The Young Professionals carried last year several webinars with interesting topics: From toys to self-walking robot, When "protoboard" is not enough, Deep learning and computer vision, Computer can be a polyglot. They have plans for several meetups this year and they can connect people from both universities.

We have a small Life Members group, but the members who are able to join our events can help us with their long-time experience in IEEE and they will have valuable role in our section anniversary celebration which is planned in September.

We think that the Women in Engineering are an important group in Slovenia section to promote and support our female members, which is also aligned with similar activities at our universities. They organize technical academy and workshops which attract young participants to the engineering world.

The section will support our affinity groups financially and organizationally, connecting the group leaders to our section and region activities.

Chapters

Slovenia section has 6 chapters and 2 joint chapters. A brief summary of chapter activities:

- Computer Science, computing competitions for young programmers, together with ACM Slovenia
- Communications, Seminars, invited lecture: Application of sensors for measurement of swimming performance
- Education, technical event: ICT engineering study programs to meet modern society needs
- Power & Energy: DLP lecture: ICT engineering study programs to meet modern society needs
- Computational Intelligence: DLP: Randomization-Based Deep and Shallow Neural Networks
- Geoscience and Remote Sensing: press conference – launching TRISAT satellite
- Signal Processing / Circuits and Systems, invited lecture: Modeling perceived attention toward the task
- Industrial Electronics / Industrial Applications: invited lecture: Functional safety for road systems

Industry

The Section maintains industry relations by inviting engineers from the industry to present their work at IEEE conferences. We invite the IEEE members from the local industry to attend the technical chapter events such as IEEE DLP talks. We are still actively searching for a section ambassador from the industry, but we do not have many members in the industry.

Activities since the last report

Since the last report we held section assembly meeting, where the section, chapter and affinity group leaders presented their work and plans for the future. The meeting was online and we were very pleased that we received a flag for celebration of 50th Slovenia section anniversary and that IEEE R8 Director Antonio Luque was present and addressed our members and volunteers.

Planned activities

We plan to organize our annual International Electrotechnical and Computer Science Conference and main anniversary event in the late Summer/Autumn, hopefully as life events.

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

The region can help our section by presenting successful examples of online activities to attract new IEEE members in the time of Covid-19. Several planned chapter events were last year cancelled and the region may temporarily change the minimal requirements for chapter and affinity group activities.



RANDOMIZATION-BASED DEEP AND SHALLOW NEURAL NETWORKS



Slovenia Section 50 years

**Jure Leskovec:
Modeling the spread of Coronavirus with mobility networks**

