



IEEE Russia (Siberia) Section

 IEEEES 2021

The Section is involved in numerous technical and organizational activities through its big cities in Ural, Siberia, and Far-East Russia, realizing a strong potential for membership growth.

Flagship Conferences of the Russia Siberia Section are:



IEEE International Conference on Intelligent Systems and Telecommunication (SIBIRCON)



IEEE Ural-Siberian Conference on Biomedical Engineering, Radioelectronics and Information Technology (USBEREIT)



IEEE Ural-Siberian Conference on Computational Technologies in Cognitive Science, Genomics and Biomedicine (CSGB)



IEEE International Conference of Young Professionals in Electron Devices and Materials (EDM)

In 2021 the IEEE EDM was the main recruitment event of the IEEE Russia-Siberia Section with a major impact on students and young professionals under the age of 35.

It is an annual conference aimed to facilitate the professional development of young researchers in the fields of electronics and its practical applications.

Traditionally the IEEE EDM is hosted in the Altai region of Russia. Breathtaking picturesque area of Altai is conducive to both business productivity and relationship-building opportunities, which is always attractive for brilliant young scientists with the most influential ideas. [IEEE EDM Atmosphere](#)

IEEE EDM 2021 was organized in a hybrid format with over 200 attendees from Russia, Spain, Estonia, and Finland.

The IEEE Region 8 Director Dr. Antonio Luque took part in the Plenary Session. He gave a talk about IEEE Today -- How to Boost Your Career Through a Professional Organization:

[IEEE Today. How to Boost Your Career Through a Professional Organization, Dr. Antonio Luque](#)

The Technical Session of the conference included 9 sections on:

- Semiconductor Physics and Technology,
- Microwave Technology and Telecommunications,
- X-ray, Sonic and Ultrasonic Devices,
- Optoelectronic Devices and Systems,
- Power Electronics and Power Engineering,
- Biomedical Electronics and Engineering,
- Robotics, Mechatronics, and Automation,
- Software Engineering and Cyber-Physical Systems.
- The participants were also involved in the discussion of History and Prospects for the Informatics and Electronics Development in the Context of Humanitarian Problems of Society Solving.

In 2021 Huawei Technologies Ltd. was the key industry partner of the conference. The delegates from Huawei Moscow Research Center presented their reports at the Plenary Session, Technical Session, and the Special Session on Mobile Systems and Telecom [Special Session on Mobile Systems and Telecom](#)

For the first time, the IEEE EDM hosted the Young Professionals Involvement (YPI) Competition:

[IEEE EDM 2021 Young Professionals Involvement Competition \(YPI\)](#) .

The YPI competition is a novel initiative of the Young Professionals Affinity Group IEEE Russia (Siberia) Section. The competition is focused on facilitating the involvement of the young professionals' community in the discussion of innovations and practical issues in science and technology. The in-person assessment was accomplished by the industry experts from Huawei Technologies Ltd., Keysight Technologies, "Scientific Equipment" Ltd., Shvabe Holding, "SibIC" Ltd., and etc.

The IEEE EDM has become a pioneer in the involvement of children in an international community of engineers and scientists. This unique opportunity was provided at the Junior Session of the conference

[EDM Junior Session 2021](#)

The IEEE EDM conference is an outstanding meeting platform for Universities, Academic Institutes, and Industry partners [IEEE EDM 2021 - YouTube Playlist](#)

We have implemented the agreement (<https://ieeesiberia.org/rules/>), which contains the rules for conferences. This agreement must be signed by all Conference Chairs of conferences organized by all Organizational Units (OUs) in the IEEE Russia-Siberia Section. These rules are based on the IEEE PSPB Operations Manual and are aligned with the IEEE Meetings, Conferences & Events (MCE). The rules are designed to be agreed upon in advance and to help organize a proper quality IEEE-style conference while respecting scientific ethics.