

# IEEE Kazakhstan Section: Section Development Plan

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# About IEEE

- ▶ IEEE is the world's largest technical professional association dedicated to advancing technological innovation and excellence for the benefit of humanity.
- ▶ IEEE and its members inspire a global community through IEEE's highly cited publications, conferences, technology standards, and professional and educational activities.

## Mission

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.

## Vission

IEEE will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions.

# IEEE at a Glance

## IEEE has:

- Over 500,000 members in more than 190 countries, with more than 67 percent from outside the United States
- More than 189,000 Student members
- 347 Sections in ten geographic Regions worldwide
- 2,815 Chapters that unite local members with similar technical interests
- 3,613 Student Branches at colleges and universities in over 100 countries
- 4,240 Student Branch Chapters of IEEE technical Societies
- 670 affinity groups; IEEE affinity groups are non-technical sub-units of one or more Sections or a Council. The affinity group parent entities are the IEEE-USA Consultants Network, Young Professionals (YP), Women in Engineering (WIE), and Life Members (LM)
- 1,200+ employees globally.

<https://www.ieee.org/about/at-a-glance>

# IEEE at a Glance

## IEEE:

- Has 39 technical Societies and eight Technical Councils representing a wide range of IEEE technical interests
- Has more than 6 million documents in the IEEE *Xplore* digital library
- Has an active portfolio of 1,079 standards and more than 1,093 projects under development
- Publishes more than 200 transactions, journals, and magazines
- Sponsors more than 2,000 conferences and events in 109 countries while contributing over 4.5 million total conference papers to IEEE *Xplore* since 1936, with more than 280,000 new papers added annually

<https://www.ieee.org/about/at-a-glance>

# Organizational Structure of IEEE

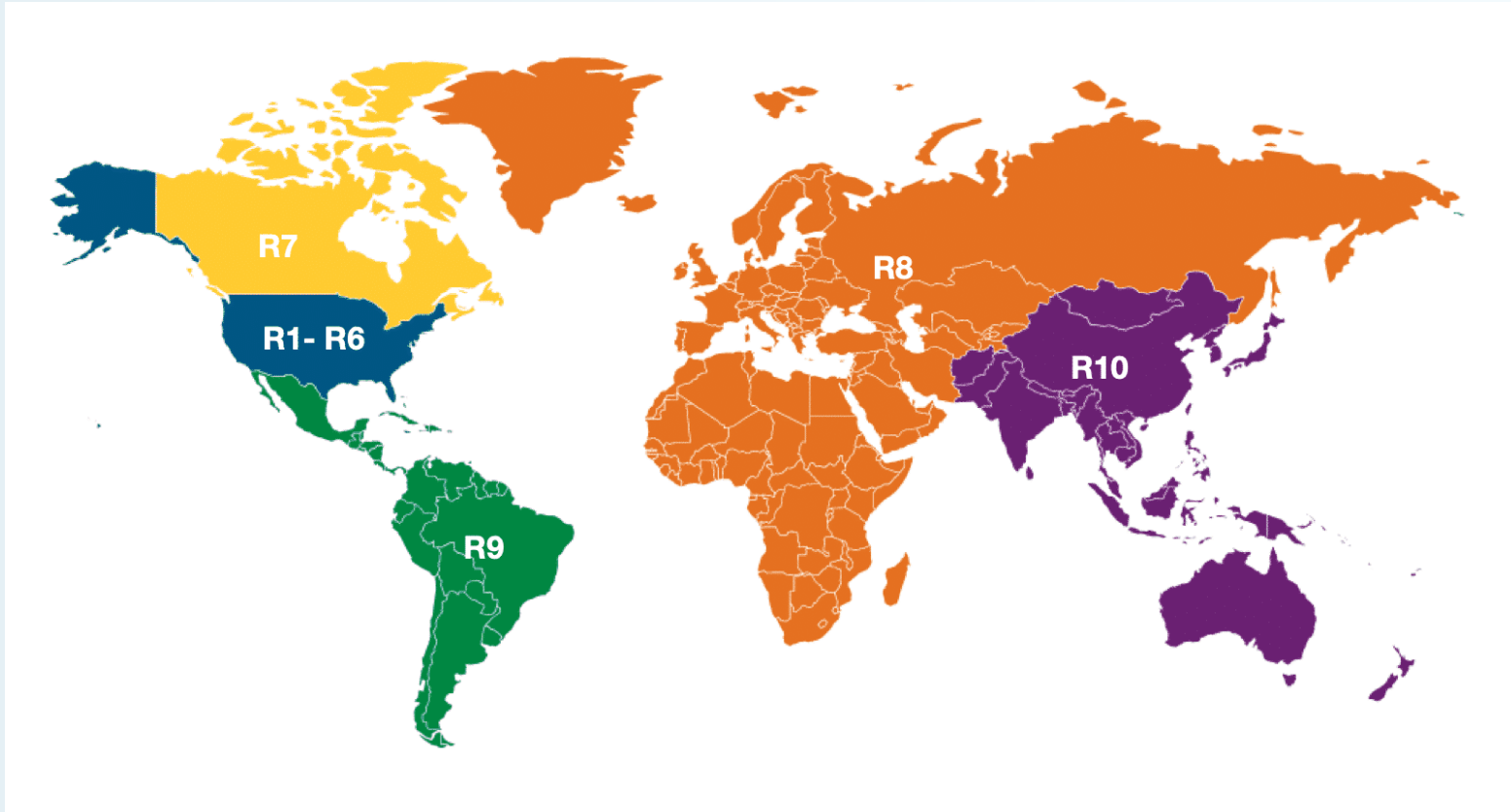


Geographical Units  
"Regions"



Technical Units  
"Societies"

# IEEE Regions



# Kazakhstan: Strategic Context and Priorities

- Kazakhstan has elevated research, innovation, and STEM education to the level of national strategic priorities. The President has emphasized science and technology as key drivers of economic modernization and global competitiveness.
- The Concept for the Development of Higher Education and Science for 2023–2029 sets measurable national goals, including increasing science funding to 1% of GDP, strengthening patent activity, and improving the country’s global standing in business-funded R&D. These reforms are supported by expanded private sector participation, stronger international collaboration, and deeper integration between academia and industry.
- Science funding has increased sixfold over the past six years, now exceeding 250 billion tenge, while the R&D workforce has been growing steadily at an average rate of about 8% annually since 2021.
- This momentum created a timely opportunity for IEEE to expand its presence and contribute meaningfully to Kazakhstan’s evolving research and innovation ecosystem.



# 2017 – 2025 IEEE Presence in Kazakhstan

The IEEE Kazakhstan Subsection (R8009909) was established on June 24, 2017. The organizer was Alex James. In 2017 Subsection consisted of 28 voting members (2 GSMs, 18 Members, 8 Senior Members) and 35 Undergraduate Student Members.

On August 2025, the Subsection consisted of 306 members (including 250 voting members).

Over the past 8 years, the IEEE structure in Kazakhstan has expanded. In 2025 IEEE Kazakhstan Subsection consists of 3 Chapters, WIE and YP Affinity Groups, 2 Student Branches and 2 Student Branch Chapters:

- IEEE Kazakhstan Subsection ED/C/SP/PE/PHO/IE/COM/RA/SEN Joint Chapter (CH08134);
- IEEE Kazakhstan Subsection EP/MTT/AP/CAS/RFID Joint Chapter (CH08138);
- IEEE Kazakhstan Subsection CIS/RA Joint Chapter (CH08139);
- IEEE Kazakhstan Subsection WIE Affinity Group (WE8009909);
- IEEE Kazakhstan Subsection YP Affinity Group (YP8009909);
- IEEE Nazarbayev University Student Branch (STB20206);
- IEEE Nazarbayev University Student Branch CAS Society Chapter (SBC20206);
- IEEE Nazarbayev University Student Branch SP Society Chapter (SBC20206A);
- IEEE Astana IT University Student Branch (STB60209245).

# Petition to Form an IEEE Kazakhstan Section

## Current Section Name

Reg 8-Countries Outside Sections Zone A

## Current Subsection Name

Kazakhstan Subsection

## Are you forming a Section or a Subsection?

section

## Name of Proposed IEEE Section/Subsection

Kazakhstan Section

## Proposed Territorial Boundaries of this Section/Subsection; include postal codes/pin codes, cities, provinces, etc.

Republic of Kazakhstan, including 17 regions / provinces (Akmola, Aktobe, Almaty Region, Atyrau, East Kazakhstan, Abai, Karagandy, Kostanay, Kyzylorda, Mangystau, North Kazakhstan, Pavlodar, West Kazakhstan, Zhambyl, Turkistan / South Kazakhstan, Zhetysu, Ulytau) and 3 cities of republican significance (Astana, Almaty, Shymkent).

## Signatures

50 out of 50 signatures required for this petition have been received.

This petition was approved at the IEEE MGA Board Meeting on 22-Nov-2025.



Cecelia Jankowski  
Managing Director  
Member and Geographic Activities

9 January 2026

Didar Yedilkhan  
55/11 Mangilik El, Astana IT University  
Astana 010000  
Kazakhstan

Dear Didar Yedilkhan:

Congratulations! On behalf of the IEEE Member and Geographic Activities Vice President, Antonio Luque, it is a pleasure to inform you that the requirements of the MGA Operations Manual have been met, and the IEEE Kazakhstan Section has been formed. This formation is the result of the Kazakhstan Subsection being elevated to the Kazakhstan Section. The effective date of this Section formation is 22 November 2025.

The IEEE Kazakhstan Section boundaries are defined as: Country of Kazakhstan

We have recorded you as interim Chair. When an election has been held, please report the names, including member numbers of the new officers to IEEE using vTools Officer Reporting at <https://officers.vtools.ieee.org/>.

We extend our best wishes for the successful operation of this new Section.

Sincerely,

*Cecelia Jankowski*

Cecelia Jankowski  
Managing Director  
Member and Geographic Activities

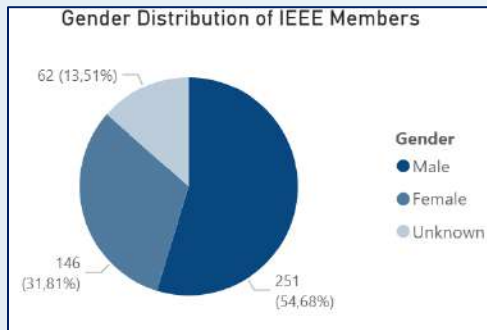
cc: A. Luque – Member and Geographic Activities Vice President  
D. Boskovic – Region 8 Director

# IEEE Kazakhstan Section: News

- В Казахстане официально создана IEEE Kazakhstan Section: новая платформа для развития инженерных и цифровых инноваций (<https://www.gov.kz/memleket/entities/sci/press/news/details/1142996?lang=ru>)
- Инженеры РК получили прямой доступ к передовым мировым разработкам через платформу IEEE (<https://profit.kz/news/72790/Inzheneri-RK-poluchili-pryamoj-dostup-k-peredovim-mirovim-razrabotkam-cherez-platformu-IEEE/>)
- В Казахстане учреждена IEEE Kazakhstan Section — новый импульс для инженерных и цифровых технологий (<https://astanatv.kz/ru/news/160336/>)
- В Казахстане появится единая платформа для инженеров и исследователей (<https://news.mail.ru/society/69457586/>)
- Жаңа платформа: Қазақстанда ресми түрде IEEE Kazakhstan Section құрылды (<https://baq.kz/zhana-platforma-qazaqstanda-resmi-turde-ieee-kazakhstan-section-quryldy-200029522/>)
- Создание IEEE Kazakhstan Section: новый этап в интеграции Казахстана в глобальную инженерную и научную среду (<https://vastane.kz/gosnews/ministerstvo-nauki-i-vysshego-obrazovanija-rk/150343-sozdanie-ieee-kazakhstan-section-dlja-inzhenerov-i-issledovatelej.html#gsc.tab=0>)

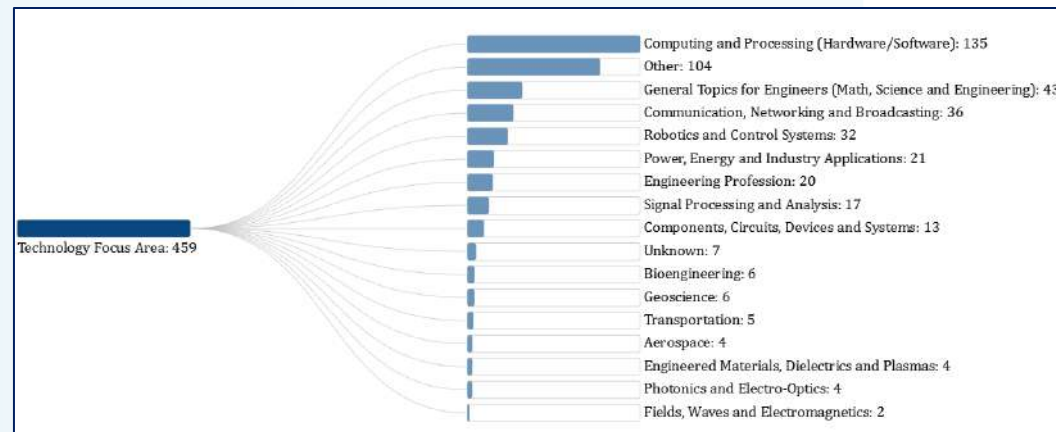
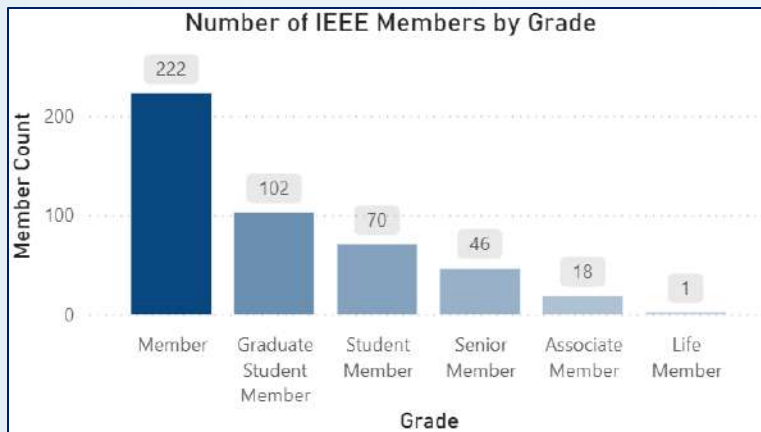
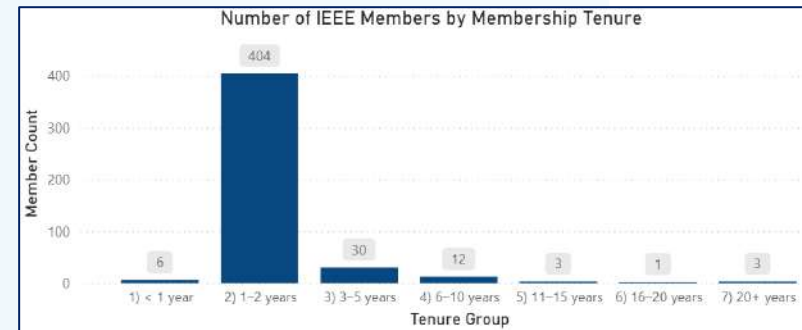
# IEEE Kazakhstan Section: February 2026

## Total number of IEEE Members: 459



**IEEE Members by Affiliation**

Company/Attention	Number of IEEE Members
Astana IT University	144
Unknown	77
Nazarbayev University	72
International IT University	62
SDU	28
Al-Farabi Kazakh National University	12
Eurasian National University	12
IICT	6
Kazakh-British Technical University	3
Satbayev University	3



# IEEE Kazakhstan Section Plan

## 1 – Section Development and Vitality

- Establish an active Section Executive Committee
  - Quarterly meetings; full voting rights for Chapters & Affinity Groups
- Conduct compliant Section & Subunit (Chapters, Affinity Groups and Student Branches) elections in accordance with the IEEE MGA Operation Manual.
- Launch key Standing Committees (Conferences, Students, Chapters, Education, Membership, Awards, Industry, Humanitarian)
- Ensure timely annual reporting & Subunit training
- Strengthen Section – Chapter - Society collaboration
- Maintain independence and build balanced partnerships with industry, government, and academia

# IEEE Kazakhstan Section Plan

## 2 – Membership Development

- Increase visibility through active participation in IEEE publications and global events
- Deliver technical, professional, and networking activities to grow engagement
- Drive recruitment via campus campaigns, member ambassadors, and “Intro to IEEE” sessions
- Support retention through mentorship, leadership roles, volunteer development, and IEEE tools (vTools, Collabratec)
- Recognize achievements through awards and member spotlights
- Clearly communicate career value: research visibility, citations, global networks, and professional growth

# IEEE Kazakhstan Section Plan

## 3 – Engineering History

- IEEE Kazakhstan Section plan to study in detail the possibilities of applying for IEEE Milestones. Particular attention will be paid to Baikonur Cosmodrome and the space engineering achievements associated with it.

# IEEE Kazakhstan Section Plan

## 4 – Sustainability and Funding Model

- Open an IEEE CBRS bank account to support Section and Subunit operations
- Implement a mixed funding model:
  - Membership dues & event fees
  - Institutional sponsorships & project grants
  - IEEE Society funding support
- Develop and host local & international IEEE conferences
  - Reinvest conference surplus into member benefits
- Build strategic partnerships:
  - Universities (cost-sharing, venues, academic alignment)
  - Technology & engineering companies (sponsorship, in-kind support)
- Introduce moderate participation fees for selected workshops to support sustainability

# IEEE Kazakhstan Section Plan

## 5 – Enhancing Member Benefits & Making IEEE the Preferred Platform

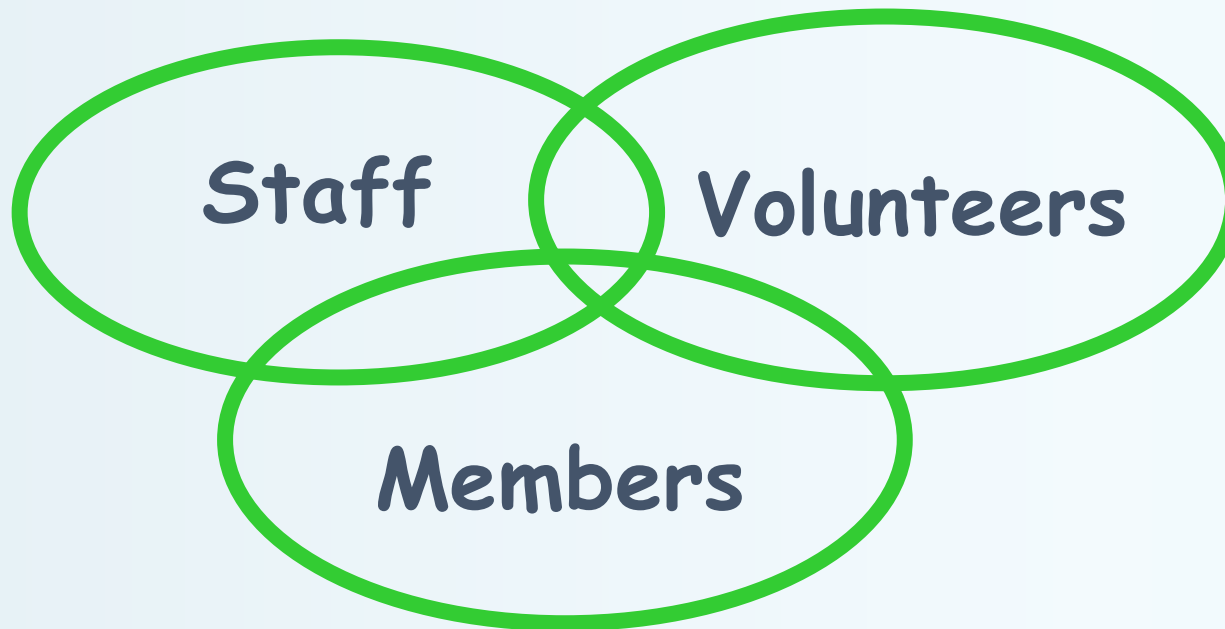
- Strengthen IEEE's value proposition for professionals, academics, and students
- Host high-demand technical events (AI, renewable energy, telecommunications, etc.)
- Facilitate access to IEEE certifications, scholarships, continuing education, and standards
- Promote institutional access to IEEE Digital Library
- Support international conferences, collaboration, networking, and mentorship
- Offer localized programs (e.g., certification workshops) and institutional membership incentives

# IEEE Kazakhstan Section Plan

## 6 – Deepening Connectivity with Industry, Research & Academia

- Position IEEE Kazakhstan Section as a national hub for collaboration, innovation, and knowledge exchange
- Expand annual conferences (SIST, AITU Student Conference, cybersecurity, engineering, AI)
- Establish an Industry Partnership Activities Committee (academia–industry–research representation)
- Organize industry talks, site visits, panels, and launch an IEEE Kazakhstan Innovation Forum
- Develop structured student–industry programs (internships, joint labs, cooperative education)
- Build strategic partnerships with national institutions and leading companies to support conferences, hackathons, and innovation initiatives
- Ensure long-term sustainability aligned with IEEE’s mission in Central Asia

# How does IEEE Work?



- Efforts are accomplished through a partnership between Volunteers, Members, and Staff
- Volunteers and Members are the key to all IEEE activities

# Thank You

**Website:** <https://ieee.org.kz/>

**Telegram channel:** <https://t.me/ieeekz>

## Contacts:

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*IEEE Kazakhstan Acting Chair*

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