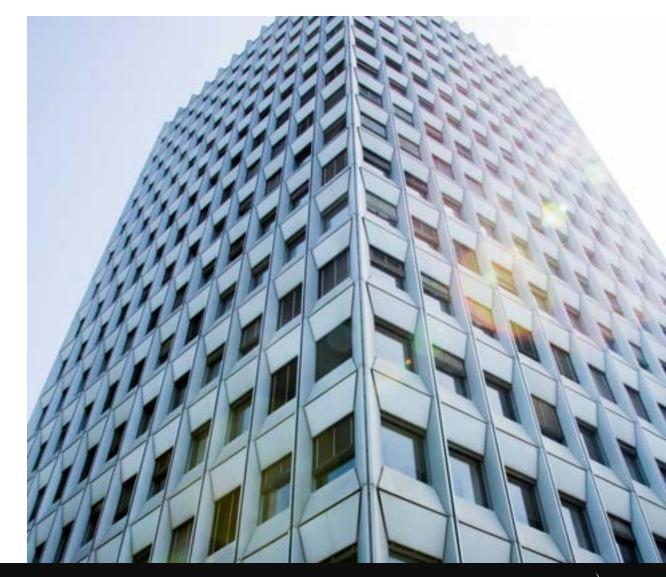The International Telecommunication Union (ITU) is the **United Nations Specialized Agency** for Information and Communication Technologies (ICTs).

An organization based on **public-private partnership** with **193 Member States** and over 900 members from industry, international and regional organizations and academia.

- "Scientific research is mission-critical when it comes to connecting the world. ITU nurtures new knowledge, breaks ground, and creates standards and regulations our increasingly digital world depends on. Your expertise, knowledge and research are invaluable to our work.

- Join ITU in building a more innovative and inclusive digital future."

BENEFITS

NETWORK

CONTRIBUTE

EDITOR/ RAPPORTEUR OR VICE-RAPPORTEUR

KNOWLEDGE & LEARNING

Network with 193 Member States, over 900 members from industry, international and regional organizations and academia.

Contribute to international standards (including your research/patented tech).

Contribute to development of best practices in policy-regulatory environment & ITU Recommendations

Contribute to ITU publications (ex: ITU Journal) & ITU Research Projects (ex: Equals, Research Agenda with Universities)

Have representative(s) appointed as rapporteurs, associate rapporteurs & co-rapporteurs (ITU-T only), vice-rapporteurs (ITU-D only)

Increase your technical Knowledge through ITU's Capacity Building Activities (ITU Academy)

Access training, specialized seminars and courses

Share your expertise & partner to develop and deliver capacity building activities

ITU Academia

INTERNATIONAL PROMOTION

MEETINGS & DOCUMENTS

PARTNERSHIPS

EXPERTS

Raise the profile of your institution at the international level

Get your contribution acknowledged and recognized internationally

Promote and share your ideas among some 170 Academic institutions through monthly newsletter

Get access to ITU Study Group meetings, their subgroups and documents (TIES access)

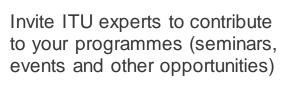Sectoral Conferences and Assemblies (RA, WTSA, WTDC) & documents

Sector Advisory Groups and their subgroups (RAG, TDAG, TSAG) & documents

Other events, workshops and seminars

Become a partner for ITU activities

Develop proposals for collaboration with ITU members

Prepare Study Group contributions in collaboration with other stakeholders

Invite ITU experts to contribute to your programmes (seminars, events and other opportunities)
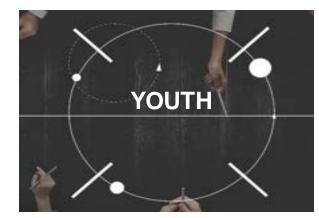
DEBATES

Engage in global and regional debates

Speak at ITU events WSIS Forum, ITU Kaleidoscope Academic Conference), Workshops, webinars and other events

Participate in public online consultations

ITU PUBLICATIONS STATISTICS & STUDIES

Get free access to ITU publications available in digital format including databases (PP resolution 66).

YOUTH

Organize student visits to ITU

Organize Girls in ICTs Day

Join Coding Bootcamps

Participate in Young ICT Leaders Programme & Hackathons

Access the ITU database for Youth Employment and Entrepreneurship

ITU ACADEMIA COMMUNITY

Academia participation

+170 universities and research centers in 50+ countries

Top renowned universities such as Tsinghua University, KAIST, Stanford University, University of Tokyo, Technical University of Berlin, and more are ITU Academia members

The complete list of ITU Academia members is available here

ITU STUDY GROUPS

Each Sector of ITU has a number of Study Groups related to the sectors' **specific field**. Academia has the opportunity to contribute their ideas and expertise on important topics through **19 Study Groups**.

Key themes of Study Groups include:

- Policy and Regulatory Reform
- Big Data
- Smart/Sustainable Cities
- Cybersecurity
- E-waste
- Connected car
- Spectrum Management

- Rural Connectivity
- Climate Change
- Economics of Roaming
- Disaster Relief
- Digital Financial Inclusion
- Video technologies
- Accessibility

- Mobile communications
- Broadcasting communications
- Satellite systems
- Radio wave propagation
- Radiodetermination systems
- Earth exploration, meteorological aids, space research
- Radio amateur, Radio astronomy

Radiocommunication:

Manages **radio-frequency spectrum** and **satellite orbits**, ensures interference free operations of **radiocommunication systems**

Standardization:

Produces **standards** and defines **tariff principles** for international telecommunication services

Development:

Facilitates the **creation, development and improvement** of telecommunication and ICT

6 Study Groups dealing with **231 Questions**

11 Study Groups dealing with **155 Questions**

2 Study Groups dealing with **14 Questions**

Examples

Some examples of collaboration between ITU and universities:

Stanford University is partnering with ITU to work with Central Banks from around the world to make Digital Fiat Currency a reality.

Gallaudet University – plays a key role in the development of ITU's accessibility multimedia standards.

EPFL – involved in ITU's development of Emmy award winning global visual coding standards

University of Hawaii, Honolulu – playing a leading role in the development of global standards for submarine telecom cables to enhance climate monitoring and tsunami forecasts

Tsinghua University works with ITU on research in radiocommunication, standardization and telecommunication development activities, including emerging topics such as Artificial Intelligence, 5G, digital broadcasting, Internet of Things, Smart Cities, Blockchain and quantum computing. There is also co-publishing agreement for the new journal.

Geneva Graduate Institute contributed with research project on climate change with a group of students.

Some initiatives

ITU
AI/ML Challenge

Collaborate/ Engage

Creating a community of value

Webinars, Round-tables, Hands-on-sessions

Mentorship

Baseline models

Solve

Provide practical solutions to network related problems

Compete - students and professionals

Open Challenges from around the world with real-world and synthetic datasets

Prestige

Compete against students and professionals from around the world

Win prizes and certificates

Present at the Grand Challenge Finale

Contribute

Solutions are published in public repo on GitHub (contributing to open source)

Publication in the special issue of the ITU Journal on Future and Evolving Technologies

https://www.itu.int/en/journal/j-fet/Pages/default.aspx

ITU
Digital Currency
Global Initiative

Developing standards for digital currencies

Academia Collaboration

Joint collaboration with Future of Digital Currency Initiative of Stanford University

Research on digital currencies (Central Bank Digital Currencies (CBDC), Stablecoins and cryptocurrencies)

Working Groups

3 Working Groups

- Policy & Governance

- Architecture, Interoperabiity and Use cases

- Security & Assurance

Conferences/ Webinars

Present at the annual DC^3 Conference and webinars on digital currencies

Participate in webinars/working meetings to present research on digital currency implementations

Contribute

Contribute use cases on digital currency use cases for CBDCs, stablecoins and cryptocurrencies

Join the DCGI Mailing list

Apply *for* Membership

Single annual fee to participate in the work of all three Sectors: ITU-R, ITU-D and ITU-T

Developing Countries
CHF 1'987
Developed Countries
CHF 3'975

https://www.itu.int/hub/membership/become-a-member/application/

"

"Academia principally concerns the production of new knowledge. Working with academia gives civil society, governments and industry the opportunity to use peer review process and scientific methods, to objectively understand the impact of any intervention on society, and to be able to build knowledge for the future."

Professor G. Anthony Giannoumis, Oslo Metropolitan University, Norway

"Mobile phones and telecommunications are leading to major changes in industry, society and government and the ITU Academic Membership provides Mason faculty another avenue to engage actively and be in the forefront of the mobiles revolution"

Dr. J.P. Auffret, director of the MS in Technology Management Program, George Mason University, USA

"

"We strongly believe that ITU has been playing and will continue to play an important role for shaping the whole IT industry and therefore the human's life by not only standardization process but also other methods. Tsinghua University as the academic member of ITU not only benefits this university itself but also can make more contribution for ITU to achieve its goal"

Dr. Jian Song, Director of Tsinghua DTV Technology R&D Center, Tsinghua University, China

CONTACT US

academia@itu.int or www.itu.int/academia