



May 2026

Quantum Forum

Philosophy

Contribute to the realization of a creative society by working on the development and diffusion of quantum

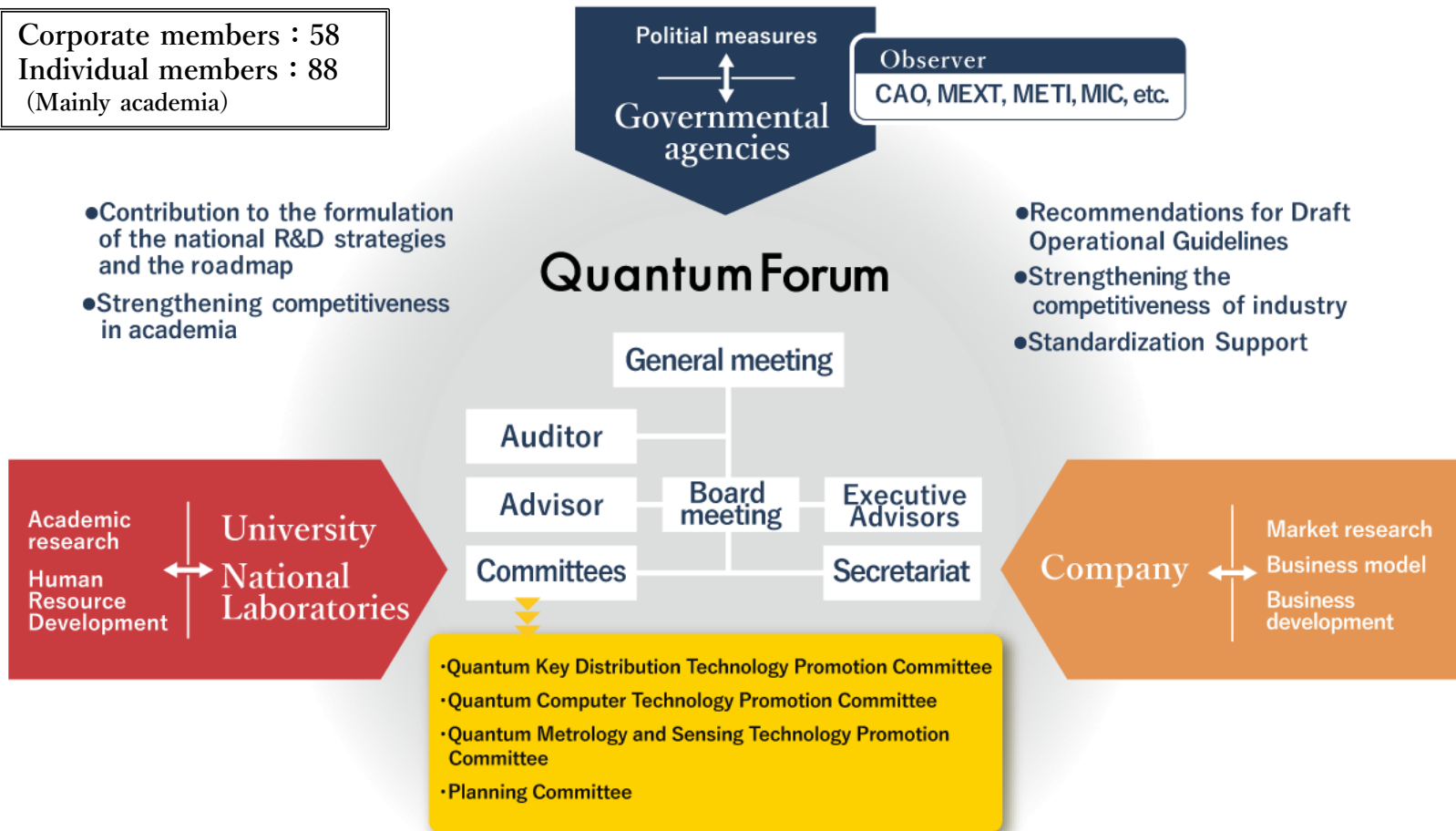
**Officially launched in
November 2019**

<https://qforum.org/> 

Organizational Chart and Open Innovation Promotion Structure

We are committed to the development and diffusion of quantum and contribute to the realization of a creative society.

Corporate members : 58
Individual members : 88
(Mainly academia)



Incorporated as a general incorporated association on May 30,2019

Members of the Quantum Forum

A good balance of academic, vendors, service providers, suppliers, and end users

Special members

KDDI Corporation
Denso Corporation
Toshiba Corporation

Corporate

IBM Quantum Japan
ABeam Consulting Ltd.
ANRITSU CORPORATION
Internet Initiative Japan Inc.
AI DATA, Inc.
NF Corporation
NTT, Inc.
NTT Advanced Technology Corporation
NTT DATA Group Corporation
NTT DOCOMO BUSINESS, Inc.
NTT DOCOMO SOLUTIONS, Inc.
Oki Electric Industry Co., Ltd.
OPTAGE Inc.
Optronics Co., Ltd.

KADOKAWA ASCII Research Laboratories, Inc.
Keysight Technologies
Quanmatic Inc.
Quantia Inc.
Quantinuum K.K.
Quemix Inc.
Cybertrust Japan Co., Ltd.
SAKURA internet Inc.
JSR Corporation
JX Advanced Metals Research Institute for
Technology & Strategy Co., Ltd.
SKY Perfect JSAT Corporation
Sumitomo Electric Industries, Ltd.
Systems Engineering Consultants Co.,LTD. (SEC)
Sony Group Corporation
Sony Computer Science Laboratories, Inc.
Data Analytics Labo Co.
Deloitte Tohmatsu Group Japan LLC
Deloitte Tohmatsu Cyber LLC
TOPPAN Holdings Inc.
TOYOTA CENTRAL R&D LABS., INC.
Nippon Sheet Glass Co., Ltd.
Nissan Motor Co., Ltd.
NEC Corporation
Nobest Co., Ltd.
Nomura Research Institute

Hitachi, Ltd.
VIP Systems Inc.
Fixstars Amplify Corporation
VIAVI Solutions Inc.
Fujitsu, Ltd.
BlueMeme Inc.
Macnica, Inc.
Mitsui & Co., Ltd.
Mitsubishi Chemical Corporation
Mitsubishi Heavy Industries, Ltd.
Mitsubishi Electric Corporation
Mercari, Inc.
UNIADEX, Ltd.
Ubiquitous AI Corporation
YDK Co., Ltd., and others

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(Mainly academia)

(as of apr 2026)

Business of the Quantum Forum

The Quantum Forum brings together people at corporations, universities, and public research institutes to promote open innovation via interaction and collaboration between industry, government, and academia. We are involved in the following businesses.

Transmitting information

- Proposing road maps, research and development strategies, and technical guidelines
- Publishing technical documents and manuals, and promoting awareness via talks and seminars

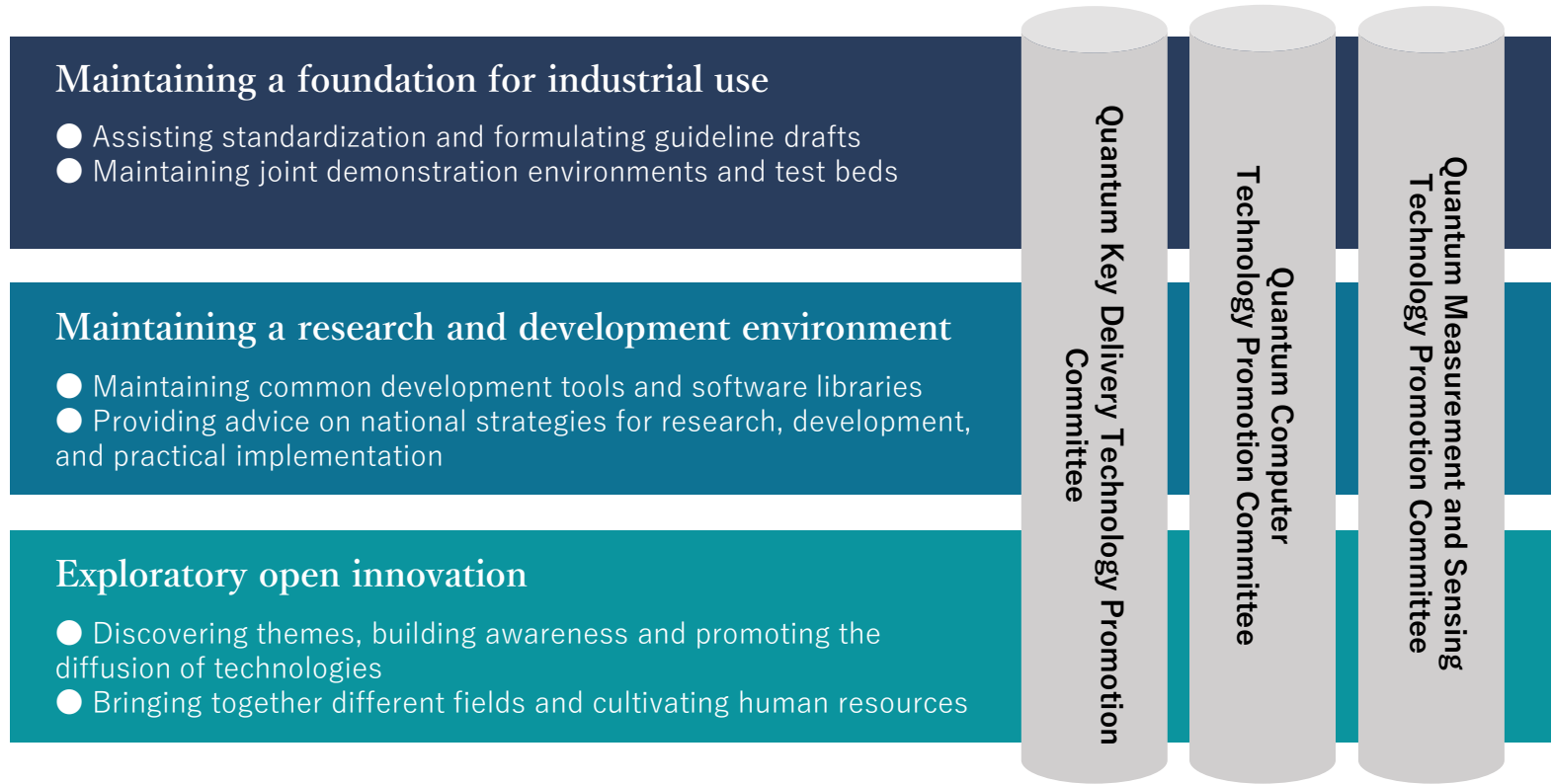
Assisting standardization/practical implementation

- Assisting standardization and technical transfer
- Assisting activities that contribute to strengthening the business creation and investment environment

Providing opportunities for interaction and collaboration

- Providing opportunities (both open and closed) for sharing information and debate, and opportunities for interacting with end users, such as exhibitions
- Providing opportunities for human resource exchange across academia and industry, as well as opportunities for collaboration with organizations and projects in Japan and overseas

Major Areas of Activity for Technical Promotion Committees



Accelerate ahead with the advantages of Japan

Our achievements

Technical documents on evaluation and certification of QKD modules

<https://qforum.org/en/documents>

Protection Profile for Prepare and Measure Quantum Key Distribution Modules (In Preparation)

- Protocol and Security Proof of Decoy-state BB84 Quantum Key Distribution
→ [https://qforum.org/assets/documents/20250514-PSPD\(1.0\).pdf](https://qforum.org/assets/documents/20250514-PSPD(1.0).pdf)
- Supporting Document
- Evaluation Method for Protection Profile for Prepare and Measure Quantum Key Distribution Modules –
→ [https://qforum.org/assets/documents/20250513-SD\(1.0\).pdf](https://qforum.org/assets/documents/20250513-SD(1.0).pdf)

Open material

<https://qforum.org/open-material>

- An Introduction to Quantum Cryptography for Users (Japanese Content)
- Quantum Cryptography: Questions and Answers (Japanese Content)

Quantum Cafe Member Get-Together

Since 2022, we have held an in-person get-together for forum members called "Quantum Cafe." After talks and sessions, participants are given a chance to interact with the speakers, which provides an opportunity for academia and industry representatives to exchange information.

4th Quantum Cafe Study session on "IP Strategy for Quantum Technology"

Talk
1

**Ryo Washizaki / Manager,
INPIT Center for Intellectual Property Information Management**

「Why is an intellectual property strategy important?」



Talk
2

**Takamasa Sasaki / President & CEO,
AI DATA Corporation**

「Intellectual Property Strategy in the Era of
Quantum Innovation : Tokkyo.AI's Challenge 」



Session

**Toshimi Yamazaki (Facilitator)
Ryo Washizaki
Takamasa Sasaki
Shinichi Yorozu**



After event

Quantum Computing Expo

The Quantum Computing Expo is held twice a year in autumn and spring, and features booths showcasing the latest technologies and information in the field of quantum computing. At the expo, Quantum Forum members give exhibitions and talks on quantum computing.

Quantum Computing Expo 2025 held in Autumn (Oct 8 to 10, 2025)



"Quantum Forum Newsletter"

The Quantum Forum Newsletter is issued twice a year in autumn and spring
This newsletter is issued for Quantum Forum members, and distributed at the Quantum Computing Expo.

- no.1** Issued Oct. 2021 **The Future of Quantum ICT** Akihisa Tomita, Taro Shimada
- no.2** Issued Feb. 2022 **The Quantum ICT Forum in 2022** Akihisa Tomita, Masahide Sasaki, Shiro Kawabata, and Yasuhiko Arakawa
- no.3** Issued Oct. 2022 **The Front Line of Quantum Computers in Japan** Yasunobu Nakamura
- no.4** Issued Mar. 2023 **The Future World Created by Quantum Computers in 2050** Masahiro Kitagawa
- no.5** Issued Mar. 2024 **The path of quantum technology** ~The journey to social implementation~ Yasuhiko Arakawa
- no.6** Issued Mar. 2025 **The front line of Cold Atom quantum technology** ~ 4 leaders panel discussion ~
(Mikio Kozuma, Hidetoshi Katori, Yasuhiko Arakawa, Kenji Omori, Yoshiro Takahashi)

