

Annex 3

Conference on Quantum Technology

ORGANIZERS



Russian Foundation for Basic Research



Association of Sino-Russian Technical Universities



Kazan National Research Technical University named after A.N.Tupolev-KAI



Bauman Moscow State Technical University, Moscow, Russia



Harbin Institute of Technology, Harbin, P.R. China

GENERAL INFORMATION

China and Russia enjoy progressive cooperation which includes multiple cultural activities and people-to-people exchanges aimed to deepen the understanding and friendship between the two countries. In order to enhance collaboration between our countries, and to promote research and technological innovation and economic modernization, ASRTU decided to take part in co-organization of **the Conference on Quantum Technology**. We are looking forward to the active participation of the scientists from both countries in the Conference.

The Conference on Quantum Technology is being organized with an aim to provide a venue for academics, researchers and engineers to meet and present their papers on recent advances and exchange information on all aspects of Quantum Technology.

The forum will be held in **Kazan, Russia on October 12-16, 2020**.

SCOPE OF THE CONFERENCE

The conference will cover various aspects of the development and application of Quantum Technology. Oral and poster presentations on the variety of topics will be included in the conference program. In addition, the Organizing Committee will invite **the distinguished researchers in key areas of Quantum Technology to deliver presentations at the conference.**

FORUM PARTICIPANTS

We welcome 1-2 representatives from the ASRTU member and observer universities who do research in various aspects of **Quantum Technology**, to attend the Conference on Quantum Technology.

CONFERENCE TOPICS

Quantum Communication and Computing

1. Optical and Microwave Quantum Memories
2. Quantum Communications, Quantum Key Distribution, Quantum Networks, Quantum Repeaters
3. Quantum Computing and Processing
4. Quantum Hardware

Quantum Optics and Spectroscopy

1. Perspective Materials for Quantum Storage and Processing
2. Photon/Spin Echo, Superradiance, Electromagnetically Induced Transparency, Slow and Stationary Light, Coherent Light-Atom Interactions
3. Spectroscopy and Microscopy of Single Quantum Emitters
4. Nonclassical Light Fields, Generation and Quantum Measurement

Nanooptics, Component Base of Quantum Technologies, Quantum Sensors

1. Nanophotonics, Nanoplasmonics, Integrated Quantum Optics
2. Component Base of Quantum Technologies, Quantum Detectors
3. Quantum Sensors

WORKING LANGUAGE

English, Russian

IMPORTANT DATES

➤ Please, submit a completed registration form through the web-site <https://kai.ru/rcweek2020> and send a completed registration form (Annex 7) and a copy of the passport personal data page to the Organizing Committee at kazan_2020@163.com **by June 15th, 2020.**

➤ Please, send the final version of papers for publication in the proceedings of the Conference to the Organizing Committee by **July 1st, 2020.** The format requirements will be published on the web-site <https://kai.ru/rcweek2020> by **June 1st, 2020.**

FINANCIAL TERMS FOR THE PARTICIPANTS

Invited lecturers

Host party takes travel, hotel, transfer (airport/train station – hotel – airport/train station), meal, cultural program and local transportation expenses for the time of the Conference.

Chinese

Host party takes hotel, transfer (airport/train station – hotel – airport/train station), meal, cultural program and local transportation expenses for the time of the Conference.

Travel expenses are covered by the participants.

Russians

Host party takes transfer (airport/train station – hotel – airport/train station), coffee breaks, cultural program and local transportation expenses for the time of the Conference.

Travel and hotel expenses are covered by the participants.

The average of stay cost in Kazan is about 3.500 Rubles (340 Chinese RMB) per day for the room “Standard” and is about 6.500 Rubles (630 Chinese RMB) per day for the room “Lux”.

ADDITIONAL INFORMATION

It is planned that the Conference proceedings that meet the requirements will be published in a Journal listed in the Russian Science Citation Index (RSCI). Scientific papers passed a peer-review procedure will be published in a journal listed in SCOPUS database.

CONTACT INFORMATION OF THE ORGANIZING COMMITTEE

Contact person of the host party (Kazan National Research Technical University named after A.N.Tupolev-KAI (KNRTU-KAI), Kazan, Russia):

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