



Russian-Chinese Week of Science and Innovation 2020

October 12th-16th, 2020

Kazan, Russia

DEAR COLLEAGUES,

In 2020 Kazan National Research Technical University named after A.N. Tupolev-KAI (KNRTU-KAI), Kazan, Russia, as part of the ongoing cross year of interregional cooperation between Russia and China, conducts in Kazan a series of international scientific events, united by a common theme "Russian-Chinese Week of Science and Innovation".

Russia and China are the leading world powers whose bilateral relations have recently received a new impetus for development, including in the field of scientific and technical cooperation. Russia and China are actively showing mutual interest in the scientific potential in such modern areas as Additive Technology, Quantum Technology, Advanced Materials, Aircraft and Helicopter Engineering, etc. Scientific events are designed to further intensify exchanges between Russian and Chinese colleagues in order to further promote cooperation in relevant areas. In addition, within the framework of this week of science and innovation, scientific and methodological issues related to the training of highly qualified personnel and cooperation in the field of joint innovations in education, research and production will be considered.

Number of Participants: 500

Working Languages: English, Russian

Target Audience: representatives of the Russian and Chinese Academy of Sciences, Russian and Chinese Academy of Education, leading research centers and universities of Russia and China, socially responsible business with an interest in joint Russian-Chinese projects, students and PhD students of Russian and Chinese universities.

Events of «Russian-Chinese Week of Science and Innovation» in Kazan

1. Conference “Additive Technology and Perspective Materials”

2. Conference “Quantum Technology”

Section 1. Quantum communication and computing (optical and microwave quantum memories, quantum communications, quantum key distribution, quantum networks, quantum repeaters, quantum computing and processing, quantum hardware).

Section 2. Quantum optics and spectroscopy (perspective materials for quantum storage and processing, photon/spin echo, superradiance, electromagnetically induced transparency, slow and stationary light, coherent light-atom interactions, spectroscopy and microscopy of single quantum emitters, nonclassical light fields, generation and quantum measurement).

Section 3. Nanooptics, component base of quantum technologies, quantum sensors (nanophotonics, nanoplasmonics, integrated quantum optics, component base of quantum technologies, quantum detectors, quantum sensors).

3. 2nd Forum on Helicopter Technology

4. Conference «Engineering Education of the Future: A New Paradigm»

Round Table 1. Implementation of joint educational programs: experience and models of interaction

Round Table 2. Digital Transformation of Education

Round Table 3. Modern technologies and trajectories practice-oriented education

5. Follow-Up Meeting of ASRTU Coordinators (only for ASRTU members!)

STEERING COMMITTEE

Co-organizers:

- Government of the Republic of Tatarstan (Russia)
- Russian Foundation for Basic Research
- Association of Sino-Russian Technical Universities
- Kazan National Research Technical University named after A.N. Tupolev-KAI

The Host Organization:

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

FORMAT OF EVENTS

Plenary speeches, work in sections according to the sections of scientific events, discussion of reports. First of all the participants in the events are supposed to be representatives of Russian and Chinese universities involved in research in the framework of the announced research areas.

Based on the results of scientific events, proceedings will be published for each event.

FINANCIAL CONDITIONS FOR PARTICIPANTS

The host provides meeting-seeing off at the airport, food, cultural program and inter-city trips during the events. Air travel at the expense of the conference participants themselves. In some cases, supposedly, will be possible to cover travel and accommodation for participants from China.

For reference: the cost of a hotel room in Kazan is approximately 3,500 (standard) to 6,500 (lux) rubles per day.

PROGRAM OF EVENTS (roughly)

October 12th, 2020	Arrival of the participants
October 13th-14th, 2020	1. Conference "Additive Technology and Perspective Materials" 2. Conference "Quantum Technology" 3. 2nd Forum on Helicopter Technology 4. Conference «Engineering Education of the Future: A New Paradigm» 5. Follow-Up Meeting of ASRTU Coordinators
October 15th, 2020	Excursions
October 16th, 2020	Departure of Participants

REGISTRATION OF PARTICIPANTS

Representatives of Russian and Chinese universities for participation in the events of the "Russian-Chinese Week of Science and Innovation 2020" must fill out and send the registration form (<https://kai.ru/rcweek2020>) to the Steering Committee by May 10th, 2020.

CONTACT INFORMATION

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