



CALL FOR PAPERS

Fifth International Science and Technology Conference «Modern Network Technologies, MoNeTec - 2024»

Oct 29-31, 2024, Moscow, Russia

<http://www.monetec.ru>

THE PURPOSE OF THE CONFERENCE

The 5th International Science and Technology Conference «Modern Network Technologies, MoNeTec-2024» brings together representatives of the international scientific community, research departments of corporations, start-ups, representatives of industry and business, development institutions, and public authorities to discuss promising and relevant technologies in the field of computer networks, virtualization of network resources, and cloud computing.

Today data communication technologies shape the basis of our human civilization. Telecommunication areas adopt and originate more and more new discoveries and inventions, which open new opportunities, raise the quality of service and security of our networks. The technologies of programmable control, service virtualization, hierarchical edge cloud computing become the key elements of up-to-day networks and information infrastructures in general. Nowadays, these technologies come to practice in the world, including Russia. But creative minds don't stop here. Now we are speaking about Intent Based Networks (IBN), Information Centric Network (ICN), and Content Centric Network (CCN). Many problems for research still remain, new ones arise.

The Conference will include plenary reports by famous scientists on the actual problems of latter-day networks and their applications, regular reports on the conference topics, poster session for students. Also, a number of tutorials on network technologies and industrial solutions will be arranged for young engineers, scientists and students. It will help to expand the professional circle of specialists capable of supporting and developing these technologies and solutions.

CONFERENCE TOPICS

- **QoS control in Data Communication**
- **Resource Management and Control in Cloud Computing**
- **Edge Computing**
- **Information Security in SDN/Cloud**
- **5G/6G Networks for Wireless Communication**
- **6G Radio Access Networks**
- **Coding Theory Applications in Networking**
- **High-speed routing and switching**
- **Heterogeneous Channel Traffic modeling and analysis**
- **Large-scale network simulation: Methods and Tools**
- **Formal verification of network protocols and service**
- **AI-Driven IoT Sensing, Interaction, and Digitalization**
- **IIoT: Industrial Internet of Things**

- **Domain Specific Networks**
- **AI4net, AI for network and network for AI**
- **AIoT: Artificial Intelligence of Things**
- **Future Networking**

Program Committee encourage participants to pay special attention to AI methods application to the topics above. Papers on AI methods for networking are very welcome.

CONFERENCE ORGANIZERS

[Moscow State University, Faculty of Computational Mathematics and Cybernetics](#)

[Applied Research Center for Computer Networks](#)

PROGRAM COMMITTEE

The Program Committee consists of 36 scientists (17 IEEE members) from four countries. The list of Program Committee members is available on the Conference site at <http://monetec.ru/committee>.

ORGANIZING COMMITTEE

The list of members is available at the Conference site: https://monetec.ru/organizing_committee

Contacts:

e-mail: info@monetec.ru

phone: +7(495)9394671

PAPERS SUBMISSION

The conference paper should present an original research result, which is not published before. The detailed requirements to papers and submission procedure will be published on the Conference site. Papers should be submitted through uConfy system, howto instructions will be placed on the MoNeTec site.

The official language of the MoNeTec-2024 is English.

The paper should be no more than 12 pages long (list of references is not counted). Papers should follow the IEEE A4 template:

http://www.ieee.org/conferences_events/conferences/publishing/templates.html.

An application for IEEE technical sponsorship was submitted. Accepted (and presented) papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

Basing on the results of presentation, authors may be suggested to prepare full-size versions of their papers for submission to high-quality journals quoted by scientific certification and funding institutions in Russia and China.

POSTER SESSION

If submitted paper does not have sufficient review score for acceptance as regular paper, its author(s) may be advised to present it as a poster. The place for a poster is 85x110 cm in size. Posters will be printed by conference organizers. Posters will **not be** published in the Proceedings for IEEE Xplore.

NETWORK TECHNOLOGIES TUTORIAL

Before the main conference, a number of tutorials on network technologies will be arranged. The aim of these tutorials is to introduce these contemporary technologies, to show their advantages and capabilities. The registration link will be available at the Conference site. The number of attendees is limited.

IMPORTANT DATES

- Extended abstracts due **May 01, 2024**
- Preliminary acceptance notification: **May 15, 2024**
- Full papers due **June 15, 2024**
- Acceptance notification due **Sep 01, 2024**
- Camera-ready paper due **Sep 20, 2024**
- Registration for Tutorial due **Oct 05, 2024**
- Tutorials: **Oct 27-28, 2024**
- Conference: **Oct 29-31, 2024**

CONFERENCE FORMAT & VENUE

- **Conference format:** Mixed – offline and online.
- **Conference Venue:** Lomonosov Moscow State University, Moscow, Russia.

PAST MONETEC CONFERENCES

First conference MoNeTec-2014 (Oct 27-29, 2014)

Venue: Lomonosov Moscow State University, Moscow, Russia

Proceedings: <https://ieeexplore.ieee.org/xpl/conhome/6975796/proceeding>

Second conference MoNeTec-2018 (Oct 25-26, 2018)

Venue: Skoltech (Moscow)

Proceedings: <https://ieeexplore.ieee.org/xpl/conhome/8555058/proceeding>

Third conference MoNeTec-2020 (Oct 27-29, 2020)

Venue: online

Presentations and video: <https://monetec.ru/2020/reports>

Proceedings: <https://ieeexplore.ieee.org/xpl/conhome/9257984/proceeding>

Fourth conference MoNeTec-2022 (Oct 27-28, 2022)

Venue: MTUCI, Moscow, Russia

Proceedings: <https://ieeexplore.ieee.org/xpl/conhome/9960711/proceeding>