

CALL FOR PAPERS

Third International Science and Technology Conference «Modern Network Technologies, MoNeTec - 2020»

Oct 20-22, 2020, Moscow, Russia

<http://www.monetec.ru/en-2020>

THE PURPOSE OF THE CONFERENCE

The 3rd International Science and Technology Conference «Modern Network Technologies, MoNeTec-2020» gathers 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.

Data communication networks shapes the basis of the contemporary 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 foreign and domestic scientists on the actual problems of latter-day networks and their applications, regular reports on the conference topics, poster session for students, industrial session for vendors. 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.

The Conference will be organized on the basis of the Consortium of Universities "Contemporary network technologies", with participation of Institute for Information Transmission Problems, Institute for System Programming of the RAS, Applied Research Center for Computer Networks, Moscow Technical University of Communications and Informatics (MTUCI). The venue is Moscow. It is expected that many foreign specialists in the field of Software-Defined Infrastructure will take part in the Conference. A special demo zone will also be organized to show the practical solutions.

CONFERENCE TOPICS

By the topics of this event we try to cover important issues of rapidly developing network technologies, network infrastructure for Cloud Computing and Big Data Processing, including:

- architectures and protocols for network management automation and orchestration;
- technologies for innovation in clouds, Internet and networks;
- new paradigms in networking: Intent Based Networks, Information-Centric Networks, Content-Centric Networks etc.;
- approaches, methods and tools for QoS provisioning and resource planning;
- BigData and machine learning for network operation and control;

- security issues of networks and cloud platforms;
- application of network and cloud technologies to Big data processing, IoT, 5G;
- switching/routing hardware with programmable control issues.

PROGRAM COMMITTEE

Chair – Ruslan Smeliansky Corresponding Member of the Russian Academy of Sciences, Professor at Moscow State University.

The list of Program Committee members is available on the Conference site at http://monetec.ru/en-2020#program_committee .

ORGANIZING COMMITTEE

Chair – Bahmurov A.G., leading research fellow of the Lomonosov Moscow State University. The list of members will be available at the Conference site.

SPONSORS

General sponsor: Radio-electronic cluster of the State corporation Rostec.

Sponsors: Moscow State University, CIT&S, JINR, Skoltech

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 EasyChair system, <https://easychair.org/conferences/?conf=monetec2020>.

The paper should be from 6 to 12 pages long (list of references is not included). Papers should follow the IEEE A4 template:

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

POSTER SESSION

Presenting a poster is a good opportunity to get feedback on your (probably ongoing) work from experienced members of the scientific community. The place for a poster is 85x110 cm in size. For poster selection, the author should submit the poster abstract (pdf, 2 pages, in English). A poster abstract should contain the problem formulation, description of its importance and nontriviality, the current results. Submitting is done as a regular paper, but please select «Poster abstract» in the «Category» field.

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

1. Full papers due **July15**, 2020
2. Acceptance notification due **Sep 01**, 2020
3. Camera-ready paper due **Sep 15**, 2020
4. Poster abstracts due **Oct 01**, 2020.
5. Registration for Tutorial due **Oct 05**, 2020.

GENERAL INFO

- Official language of the Conference is English.
- Application for IEEE technical sponsorship is submitted, for publication of proceedings in the IEEE Xplore digital library, and indexing of them in Web of Science or Scopus databases.
- Conference dates are October **20-22**, 2020, venue is Moscow, Russia.
- Tutorials will be held on October **18-19**, 2020.
- Registration fee and Visa support info will be published later on the conference site.

For questions: info@monetec.ru, monetec2020@easychair.org