



XXIX International Scientific and Technical Conference

RLNC 2023

“Radiolocation, Navigation, Communication”

| When

April 18 – 20, 2023

| Where

**Russia, Voronezh,
Universitetskaya Sq., 1
Voronezh State University**

Dear colleagues!

**Voronezh State University,
JSC «Concern «Sozvezdie» and the organising committee
invite you to participate in the**

**XXIX International Scientific and Technical Conference
«Radiolocation, navigation, communication» (RLNC*2023).**

The conference will be held on **April 18 – 20, 2023** in the city of Voronezh.

The main purpose of the conference is organising the interaction of scientific and technical teams for the exchange of experience and new creative successes. The achievement of this goal also contributes to the introduction of promising developments that are of practical importance for the further development of industry, economics and scientific and technical potential of Russia, as well as the development of the creative potential of talented youth and its attraction to the solution of the most urgent production, technical and scientific tasks.

Within the framework of the conference, the following **sections** are envisaged:

Section 1. General problems of information transmission and processing. Digital signal processing.

Section 2. Recognition and processing of images.

Section 3. Communication and transmission systems for discrete messages. Mobile connection. Satellite communication systems and information transfer.

Section 4. Thermal, laser-optical systems of observation and communication.

Section 5. Radar. Radar systems with synthesised aperture. Aerospace radio electronic systems.

Section 6. Navigation. Positioning. Marine location and navigation. Hydroacoustics. Guidance systems.

Section 7. Ultra-wideband radio electronic systems. The theory of fractals.

Section 8. Electrodynamics, propagation of radio waves, antennas. Digital antenna arrays and MIMO technology.

Section 9. Interference. Electromagnetic compatibility. Radio and optoelectronic reconnaissance and suppression.

Section 10. Radio engineering devices. Automated measuring systems. Electronics. Microwave technology.

Section 11. Radiotechnical monitoring of the Earth.

Section 12. Intelligent control and communication systems. Cognitive radio.

Submission of materials for participation

Participation in the conference is free of charge.

We will be glad to consider your original, previously published works on the conference topics.

Those wishing to participate in the conference must submit papers to the organising committee by the conference's website <https://rlnc.ru>. Appearance of papers should be in according to requirements, which are published on the site. Languages of the conference are Russian and English.

Important dates

January 23, 2023 – the beginning of registration of authors on the conference's website.

January 23, 2023 – March 12, 2023 – reception of reports on the conference's website.

March 12, 2023 – the end of registration of authors.

April 1 – 14, 2023 – registration of participants on the conference's website.

April 18, 2023 – opening of the conference, plenary reports.

April 18 – 20, 2023 – the work of the scientific sections of the conference.

April 20, 2023 – conference closing, a tour of Voronezh for nonresident participants.

Publication of materials in the collection

All papers will be published in the conference proceedings and indexed in the RSCI. The best reports will be recommended for publication as detailed articles in scientific and technical journal «Theory and technology of radio communication» included in the list of HAC of the Russian Federation (full-time participation in the conference is required for the publication of the article in the HAC list). The conference proceedings will be available on the conference website after the conference.

Accommodation of participants from other cities

For nonresident participants of the conference, rooms booking, payment for accommodation in hotels and meals is done independently.

The Organizing Committee



Honorary Chairman of the Organizing Committee

Borisov V. I.

Scientific adviser of
JSC «Concern «Sozvezdie»,
Corresponding Member of Russian Academy
of Sciences,
Doctor of Technical Sciences, Professor





Chairman of the Organizing Committee

Artemov M. L.

The Chief Designer of
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