



## First Call for Papers

### 2026 IEEE Ural-Siberian Conference on Biomedical Engineering, Radioelectronics and Information Technology (USBEREIT)

**14-15 May 2026**

**Yekaterinburg, Russia**  
**Venue: Ural Federal University**

On behalf of the organizing committee of USBEREIT, we sincerely invite you to join us in this constantly improving annual conference. This conference will attract a vast audience and will ensure an active participation.

The purpose of the 2026 IEEE Ural-Siberian Conference on Biomedical Engineering, Radioelectronics and Information Technology (USBEREIT) is to bring together researchers and practitioners from multiple areas of radio science, including biomedical engineering, radioelectronics, microelectronics, information technology, smart energy, information security and others.

All accepted and presented full papers will be submitted for inclusion in the [IEEE Xplore Digital Library](#).

We kindly ask you to submit your latest research results for presentation. We also invite you to participate in workshops, round tables and other online activities. If you have any suggestions, please, do not hesitate to contact the organizers.

#### **Important Dates:**

**Submission Deadline 14 Feb 2026**

**Notification of Acceptance 29 Mar 2026**

**Final Submission Deadline 14 Apr 2026**

**Opening Session 14 May 2026**

## Conference Topics

- **Biomedical Engineering**
  - Devices and Instrumentation Systems for Monitoring and Diagnostics;
  - Processing of Biomedical Signals and Images;
  - Modeling of Biological Processes for Clinic and Laboratory Tasks;
- **Radioelectronics**
  - Antennas;
  - Electromagnetics and Materials;
  - Propagation and Scattering;
  - Wireless Communications, Sensors and Sensing Networks;
- **Microelectronics (at National Research University of Electronic Technology - MIET)**
  - Materials and Processes in Microelectronics;
  - Internal Circuit Design Tools and Technologies;
  - Equipment and Technologies for Microelectronics Manufacturing;
- **Machine Learning and Artificial Intelligence**
  - Data Analysis;
  - Data Engineering;
  - High-Performance Computing;
- **Industrial Artificial Intelligence**
  - Big Data Analytics in Industry;
  - Artificial Intelligence Application in Industry;
  - Digital Twins for Industrial Application;
  - Industrial Automation and Control;
- **Information Security**
  - Secure Communications, Robust Computer and Industrial Networks Design;
  - Application Security, Security Development Lifecycle Methods And Approaches;
  - Technical Methods for Attack Detection, Incident Management and Automated Response;
  - Protection of Cyber-Physical and Embedded Systems from Various Cybersecurity Threats;
  - Methods for Validation and Verification of Implemented Security Measures.
- **Smart Energy**
  - Intelligent Energy Systems and Technologies;
  - Modeling, Simulation and Analysis of Power and Energy Systems;
  - Data, Algorithms and Decision Support in Energy Systems;
- **Digital Humanities**
  - Artificial Intelligence in Education: Risks and Opportunities;
  - Ethics of Autonomous Intelligent Systems;
  - Problem of Agency in Artificial Intelligence Systems.

**Author's Guidelines** are available at <https://usbereit.ieeesiberia.org>

Please note, the papers that will not be presented at the Conference will be excluded from the USBEREIT proceedings (in accordance with the policy of IEEE Xplore "No-Shows").

One person can be author (or co-author) of no more than **three papers**.

**Organization: Ural Federal University named after the First President of Russia B.N.Yeltsin**

**IEEE sponsors: Russia (Siberia) Section, Russia (Siberia) Young Professionals Affinity Group, Russia (Siberia) Section EMB Chapter**

Best regards,

USBEREIT Organizing Committee

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