





- Ministry of Science and Higher Education of the Russian Federation
- Institute of Electrical and Electronics Engineers **IEEE Russia North West Section**
- Saint Petersburg Electrotechnical University «LETI»
- Lomonosov Moscow State University
- Financial University under the Government of the Russian Federation
- International Fuzzy Systems Association
- Russian Association for Artificial Intelligence
- Russian Association for Fuzzy Systems and Soft Computing

Russian and English are the official languages of the conference.

NFORMATION LETTER

The XXVII International Conference on Soft Computing and Measurement (SCM'2024) will take place on May 22 - 24, 2024 at Saint Petersburg Electrotechnical University "LETI", St. Petersburg, Russia. (SCM'2024).

TOPICS OF THE CONFERENCE

METHODS AND SYSTEMS OF ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING

Mathematical Foundations of Artificial Intelligence Artificial Neural Networks. Neurocomputing Strong Artificial Intelligence

Machine Learning

Neuromorphic Calculations and Technologies Cognitive Science and Technology

Probabilistic Models and Calculations

Multi-agent Systems

Distributed Artificial Intelligence

Natural-like Algorithms and Models for Artificial

Intelligence Systems

Standardization in the Development and Application of Artificial Intelligence

Uncertainty in Artificial Intelligence Methodologies and Computing

Data Mining (Big Data, Data Science, Business

Intelligence)

Cloud Computing and Measurements

MEASUREMENT THEORY. METHODS AND TOOLS OF MEASUREMENT

General Measurement Theory. Uncertainty in Measurements.

Measures and Scales. Metrology

Bayesian Approach and Optimization of Solutions Methods and Tools of Intelligent Measurement and

Soft Measurements

Non-quantitative Measurements

Smart and Intelligent Sensors and Sensory Systems

Intelligent Measuring Systems

Virtual Sensors and Cloud Computing

Optical Measurement Means

Acoustic Measurements

Biosensors and Bio-measurements

Psychometric Measurements

Distributed Measuring Systems

IoT Methods and Systems

APPLIED ARTIFICIAL INTELLIGENCE AND MEASUREMENT SYSTEMS

Industria 4.0 Application Systems

Application Systems Based on Soft Computing and Measurement

Application of Artificial Intelligence in Solving Cybersecurity Problems

Intelligent Robots and Autonomous Systems

Artificial Intelligence and Measurements in Industry

Artificial Intelligence and Measurements in Economy Application of Artificial Intelligence in Medicine. Artificial

Intelligence Systems for Integrative Physiology Application of Artificial Intelligence in Agriculture sector

and Ecology Application of Artificial Intelligence Systems and

Intelligent Measurements for Sustainable Development of Territories

Ethics and Safety of Artificial Intelligence



SESSIONS

- 1. General Measurement Theory, Metrology, Measures and Scales, Uncertainty in Measurements.
- 2. Probabilistic Methods in Information Processing. The Bayesian Approach.
- 3. Systems Simulation. Complex Objects Control Under Uncertainty.
- 4. Neurocomputing Networks and Neurotechnologies.
- 5. Models and Methods for Artificial Intelligence Systems. Cognitive Systems.
- 6. Fuzzy Methods and Systems.
- 7. New Approaches in Measurements: Intellectual, Soft and Fuzzy Measurements.
- 8. Intelligent Measurements Systems and Sensors.
- 9. Technologies and Systems BIG DATA, Data Science, Business Intelligence.
- 10. IoT and Industrial 4.0. Technologies and Systems.
- 11. Artificial Intelligence and Measurements in Industry, Ecology and Economics.
- 12. Artificial Intelligence Systems for Integrative Physiology.
- 13. Application of Methods and Systems of Artificial Intelligence and Measurements in Agricultural Complexes

for Sustainable Development of Territories.

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Conference proceedings will be submitted for placement in the IEEE Xplore digital library. The final placement decision is made by the IEEE!

The Conference Proceedings will be published digitally and distributed among the participants at the opening of the Conference.

CONFERENCE FEE

Conference fee for participants who are not citizens of the Russian Federation - 250 \$ USA.

Attention! Payment of the Conference fee should be made only after confirmation of paper acceptance received from the Program Committee. No refund is possible! If you are going to pay through the organization, you should contact the Organizing Committee in advance so that payment can be made not later than May 13!

Requisites for banking transfer will be sent via e-mail after the Organizing Committee confirms the acceptance of the paper for presentation and publication.

CONTACTS

Saint Petersburg Electrotechnical University "LETI" Conference Center

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INFORMATION FOR AUTHORS

Until February 28, 2024 - participants register to the Conference.

Until March 18, 2024 - the authors submit papers. Until April 8, 2024 - submitted papers will undergo peer review. The Program Committee will inform authors on acceptance/rejection of papers for presentation and publication.

Until April 15, 2024 - the authors submit final full papers. Until May 13, 2024 - after receiving confirmation of paper acceptance, authors should pay the Conference fee. Until May 17, 2024 - please send an information about the authors who will participate in the Conference to irvc.eltech@mail.ru.

The Program and Organizing committees reserve the right to reject the application for participation in the conference.

