

XXVIII INTERNATIONAL CONFERENCE ON SOFT COMPUTING AND MEASUREMENTS

SCM'2025

St. Petersburg, Russia

May 28 - 30, 2025

INFORMATION LETTER

The XXVIII International Conference on Soft Computing and Measurement (SCM'2025) will take place on May 28 - 30, 2025 at Saint Petersburg Electrotechnical University "LETI", St. Petersburg, Russia. (SCM'2025).

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 Computing
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

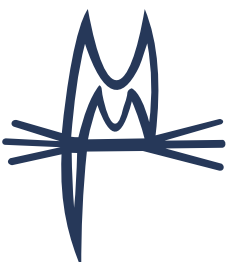
APPLIED ARTIFICIAL INTELLIGENCE AND MEASUREMENT SYSTEMS

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

ORGANIZERS

- 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.



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

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

CONFERENCE FEE

Conference fee for participants who are not citizens of the Russian Federation - **300 \$ 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 15!

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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The Russian Federation

INFORMATION FOR AUTHORS

Until **March 10, 2025** - participants register to the Conference.

Until **March 17, 2025** - the authors submit papers.

Until **April 14, 2025** - submitted papers will undergo peer review. The Program Committee will inform authors on acceptance/rejection of papers for presentation and publication.

Until **April 15, 2025** - the authors submit final full papers.

Until **May 15, 2025** - after receiving confirmation of paper acceptance, authors should pay the Conference fee.

Until **May 23, 2025** - 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.

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