

## 2<sup>nd</sup> Conference on Intelligent Systems and Information Technologies

Logic, Knowledge, and Reasoning in Intelligent Systems

This conference is an international forum for researchers and practitioners interested in theory and advances in intelligent systems and information technologies as well as applications of artificial intelligence methods. This year, we would like to focus on intelligent systems in the context of logic, inference and knowledge representation. Acceptance will be based primarily on originality, scientific merit, novelty, contribution and relevance to the conference scope.

Siedlce, POLAND

23-25<sup>th</sup> September 2024

## CONFERENCE SCOPE

The topics of interest include but are not limited to the following:

### 1. Logic, Knowledge, and Reasoning in Intelligent Systems

- Automated Reasoning and Satisfiability
- Agents and Multi-Agent Systems
- Temporal and Strategic Logics
- Planning and Scheduling
- Verification and Model-Checking
- Formal Methods for Intelligent Systems and Cybersecurity
- Ontologies and Description Logics
- Knowledge Acquisition and Compilation

### 2. Methods, Theory, and Applications of Intelligent Systems

- Quantum Inspired Intelligent Systems
- Nature Inspired Algorithms
- Neural Networks and Hybrid Systems
- Machine Learning and Cluster Analysis
- Distributed Artificial Intelligence
- Modelling, Simulation, and Control
- Fuzzy Logic Systems and Soft Computing
- Self-Learning Systems and Discoveries
- Unmanned Manufacturing and Autonomic Systems
- Automatic Understanding and Computer Vision
- Natural Language Processing
- Big Data and Sensor Networks

### 3. Intelligent Systems Supporting People with Special Needs

- Navigation and Safety Support Systems
- Smart Buildings and Vehicles Systems
- Smart City Solutions
- Mental Health and Stress Management Solutions
- Inclusive Solutions for Education
- Dedicated Knowledge Management Systems
- Human-Machine Natural Language Interface for Inclusive Solutions
- Internet of Things and Mobile Systems

We are waiting for paper submission via Internet up to

19<sup>th</sup> May 2024

The submissions are handled only through EasyChair website at:

[easychair.org/conferences/?conf=isit2024](https://easychair.org/conferences/?conf=isit2024)

All articles presented and positively reviewed during ISIT 2024 will be published as Conference materials on the Conference website and selected may published in "Studia Informatica. Systems and Information Technology" (20 ministry points for Polish authors), ISSN: 1731-2264: [czasopisma.uws.edu.pl/studiainformatica](https://czasopisma.uws.edu.pl/studiainformatica) in which they will be submitted to an independent review process.

The best works will also be recommended for publication in high-impact journals and highlighted for publication in an extended form as chapters of monographs in the series: Intelligent Systems and Information Technologies or in a shortened form on the Conference website.