Seventh International Conference on Real-time Intelligent Systems (RTIS)

University of Macau, Macau

OCTOBER 13-14, 2025

https://socio.org.uk/rtis/

The International Conference on Real-time Intelligent Systems (RTIS) has traveled from Beijing, China (2016), to Macau. The seventh edition will take place at the University of Macau, Macau.

Over the last few years, real-time intelligent computing has radically transformed the human lifestyle. Research on real-time intelligent systems is multi-disciplinary, exploiting concepts from diverse areas such as big data processing, computational intelligence, location-based services, recommendation systems, and multimedia processing. In today's highly dynamic environment, analysing data in real-time is necessary to understand how systems process data, reason the outputs, and anticipate trends in intelligent computing. To this end, this conference will serve as a platform to manifest the ongoing research in the field. Thus, RTIS welcomes theoretically grounded, methodologically sound papers that address aspects related to topics, as below:

Artificial Intelligence and Data mining
Streaming data, streaming engines
Trace-based intelligent real-time services
Adaptive vision algorithms
Location-based services
Intelligent Robotic Systems
Collaborative Intelligence

Data capture in real-time
Data quality and cleansing
Intelligent Data Analysis
Intelligent Database Systems
Knowledge representation and reasoning
Intelligent information fusion
Large Language Models, cognitive methods, sequential inference, data mining, pattern/behavioral analysis
Big Data systems and applications for high-velocity data
Intelligent Information Systems
Privacy and security in Intelligence
Software Engineering Solutions

Intelligent Soft Computing
Real-time multiprocessor systems
Internet of Things
Architectures for Intelligence
Real-time distributed coding

Smart services and platforms
Real-time modelling user information needs
Wireless Communication
Real-time intelligent communication
Real-time intelligent network solutions
Mobile Smart Systems
Broadband Intelligence
Cloud Computing and Intelligence
Collaborative Intelligence
Analysis in domains such as energy, sensors

Decision support systems in real-time
Multi-agent Intelligent Systems
Multilingual information access
Recommendation systems
Real-time intelligent alert systems
Real-time remote access systems
Intelligent Transportation Systems

Autonomous systems (incl. autonomous vehicles and drones)
Distributed systems
Cloud/edge computing/fusion
Defence/security, robotics, aerospace, intelligent transportation
Mining/Manufacturing
Environmental monitoring
Critical Real-time Applications

Real-time noise removal systems
Event-driven analytics
Intelligent Fuzzy Systems
Machine translation in real-time
OLAP for real-time decision support
Crowdsourcing and crowd intelligence
AI in Agriculture
Smart Agriculture Systems

User experience in Real-Time Systems
Anomaly Detection
Predictive Maintenance
Image and Video Recognition
Natural Language Processing

Vulnerability Management
Healthcare
Customer Analytics

Submission, Proceedings

Papers must be submitted online through OpenConf. Author instructions and LaTex2e (preferred) and Word macro files are available on the submission page. Submitted papers should be at most 14 pages (long papers) and 8 pages (short ones), including figures, tables and references (in the Springer template). Authors of accepted papers are required to transfer their copyrights. For a paper to appear in the proceedings, at least one of the authors MUST register for the conference by the camera-ready submission deadline with a full registration.

Springer's Lecture Notes in Networks and Systems (LNNS) (https://www.springer.com/series/15179) will publish the accepted papers and be indexed in SCOPUS, EI Compendex, INSPEC, WTI Frankfurt eG, zbMATH, and SCImago. All the papers published in the series are submitted for consideration in the Web of Science.

Important Dates

Submission of Papers:	August 25, 2025
Notification of Acceptance/Rejection:	September 25, 2025
Camera-ready:	October 31, 2025
Registration:	October 31, 2025
Conference Dates:	November 24 - 26, 2025