Location

AQTR 2026 will be held at The Lotus Therm Hotel, in Băile Felix resort, one of the beautiful green locations in western Romania.

The Lotus Therm Resort features a modern conference center with three elegant event halls all equipped with state-of-the-art facilities.

The location itself, Băile Felix, attracts international and national visitors seeking, among other, health benefits from its thermal springs, rich in minerals.

Key Dates

Special session proposals:	**January 24**, 2026
Paper submission:	**January 30,** 2026
Notification of acceptance:	April 6, 2026
Camera-ready papers:	April 20, 2026

Main sponsors and co-organizers

- IEEE Computer Society - Test Technology Technical Council
- Technical University of Cluj-Napoca
- Romanian Ministry of Education and Scientific Research
- SRAIT - Romanian Society of Automation and Technical Informatics

For submission details and additional information

https://www.aqtr.ro

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2026 IEEE-TTTC

International Conference on Automation, Quality and Testing, Robotics

AQTR 2026 (THETA 25)

May 21-23, 2026

SECOND ANNOUNCEMENT AND CALL FOR PAPERS

Organized by

IEEE COMPUTER SOCIETY
TTTC
Test Technology Technical Community

TECHNICAL UNIVERSITY
OF CLUJ-NAPOCA
ROMANIA

The Organizing Committee has the pleasure of inviting you to participate in the International Conference on Automation, Quality and Testing, Robotics, AQTR 2026 (THETA 25), which will be held on May 21-23, 2026. The conference follows the tradition of the 25 automation and testing-related scientific events, organized since 1981 under the name THETA/AQTR. All editions since 2006 have been indexed in IEEE Xplore and ISI/Clarivate Web of Science.

AQTR 2026 is an international forum for researchers in the fields of automation, quality, testing and robotics. It will bring together researchers, equipment manufacturers, software developers and end-users to discuss the current trends and future directions of control and testing technologies and their industrial and social applications in the private and the public sectors. Active participation of students and graduate students is strongly encouraged.

Accepted papers will be submitted for inclusion into IEEE Xplore subject to meet IEEE Xplore's scope and quality requirements.

Topics

Control Systems and Automation
Modeling, identification, and simulation of dynamic systems; control design: linear, nonlinear, and hybrid approaches; data-driven and learning-based control methods; fault detection, isolation, and fault-tolerant design; real-time control in distributed, embedded, and networked systems; intelligent decision support systems; modeling and control for biomedical applications; control applications in automotive, aerospace, energy, and industrial processes.

Quality Assurance, Reliability & Testing
Dependability in IoT and Cyber-Physical Systems; automated test generation and verification; design-for-testability and built-in self-test/repair; security-aware testing and verification for CPS and AI systems; software QA methodologies and system-level testing; machine learning for test planning and optimization; field trials, deployment studies, and experimental design; testing, reliability, and security in emerging technologies.

Robotics and Intelligent Systems
Autonomous control of robotic systems; human-robot interaction and shared autonomy; control of parallel robotic architectures and high-performance robotic systems; sensor fusion and computer vision in robotics; AI-driven navigation, perception, and control.

Applications and Emerging Technologies
Advanced Cyber-Physical Systems; Industry 4.0 and smart manufacturing; software and networked sensor applications; image processing and real-time data analysis; Edge AI and real-time analytics in cyber-physical systems; quantum computing in control and decision-making; digital innovations in eHealth, eLearning, Smart Cities, and eCitizen services.

Student Forum
A dedicated platform for students to present their research, ideas, and prototypes related to the above topics.

Special sessions
Researchers working on the conference topics are encouraged to submit proposals for organizing special sessions.

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Program Topic Chairs
- To be determined.

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