

Location

AQTR 2018 will be held in Cluj-Napoca, the main city in Transylvania. With its rich historical and cultural heritage, Cluj-Napoca is an intellectual centre with an active society, renowned universities, museums, theatres and eye-catching architecture.



Cluj is an important academic, industrial and commercial center. It is a dynamic multicultural and diverse city with a population of around 350000 inhabitants and 80000 students.



Key Dates

- ◆ Special session proposals: January 8, 2018
- ◆ Paper submission: January 15, 2018
- ◆ Notification of acceptance: March 30, 2018
- ◆ Camera-ready papers: April 14, 2018



Main sponsors and co-organizers:

- ◆ IEEE Computer Society - Test Technology Technical Council
- ◆ Technical University of Cluj-Napoca
- ◆ IPA S.A.- R&D Institute for Automation, Cluj-Napoca subs.
- ◆ Romanian Ministry of Education and Scientific Research
- ◆ SRAIT - Romanian Society of Automation and Technical Informatics

For submission details and additional information

<http://www.aqtr.ro>

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2018 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics

AQTR 2018 (THETA 21)

**May 24-26 2018
Cluj-Napoca, Romania**

FIRST ANNOUNCEMENT AND CALL FOR PAPERS



Organized by



IEEE Computer Society – Test
Technology Technical Council



Technical University of Cluj-Napoca,
Romania, Department of Automation



IPA-S.A. - R&D Institute for
Automation, Cluj-Napoca subs.,
Romania

The Organizing Committee has the pleasure of inviting you to participate in the International Conference on Automation, Quality and Testing, Robotics, AQTR 2018 (THETA 21), which will be held in Cluj-Napoca, Romania, on May 24-26 2018. The conference follows the tradition of the 20 automation and testing-related scientific events, organized in Cluj-Napoca since 1981 under the name THETA/AQTR.

AQTR 2018 is an international forum for researchers in the field 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 full papers will be included in IEEE Xplore and submitted for ISI indexing (the last three editions are indexed in ISI Web of Science).

Topics

◆ Control systems

Modeling and simulation, fault-detection and isolation, fault models, control methods, real-time systems, decision support systems, distributed systems, intelligent systems, embedded systems.

◆ Quality and Testing

Dependable systems, automatic test generation, design for testability, built-in self-test/repair, reliability, software testing, system testing, service testing, QoS, quality of experiments, field trials and deployment, advanced metering infrastructure, wide-area monitoring, technology trends and the impact on error rates.

◆ Robot control

Mobile robots, cooperative robots, parallel structures, machine vision, sensor fusion.

◆ Applications

Industrial applications, software applications, cyber-physical systems, large-scale and critical systems, network sensors, image processing, eHealth, eLearning, eCitizen and SmartCity.

◆ Hardware & Software Security - Special track

Cryptography, secure programming, authentication & control, attacks, side channel attacks, blockchain, security protocols, local

defence, end-user security, hardware security, web security, mobile security, cloud security, legal and ethical aspects.

◆ Student forum

Student presentations in the above topics.

Special sessions

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

General Chairs

Liviu Miclea (TU Cluj-Napoca, Romania)

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Honorary Chair

Yervant Zorian (Synopsys, USA)

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