

## Location

AQTR 2022 will be held in Cluj-Napoca, the main city in Transylvania. With its rich historical and cultural heritage, Cluj-Napoca is an intellectual center 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 350.000 inhabitants and 100.000 students.



## Key Dates

- ◆ Special session proposals: January 10, 2022
- ◆ Paper submission: January 17, 2022
- ◆ Notification of acceptance: April 4, 2022
- ◆ Camera-ready papers: April 18, 2022



## 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

<http://www.aqtr.ro>

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## 2022 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics

**AQTR 2022 (THETA 23)**

**May 19-21, 2022  
Cluj-Napoca, Romania  
(On-line format)**

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## FIRST ANNOUNCEMENT AND CALL FOR PAPERS



## Organized by



IEEE Computer Society – Test  
Technology Technical Council



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

The Organizing Committee has the pleasure of inviting you to participate in the International Conference on Automation, Quality and Testing, Robotics, AQTR 2022 (THETA 23), which will be held in Cluj-Napoca, Romania, on May 19-21, 2022. The conference format will be on-line. The conference follows the tradition of the 22 automation and testing-related scientific events, organized in Cluj-Napoca since 1981 under the name THETA/AQTR.

AQTR 2022 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 Clarivate (former ISI) indexing (all editions since 2006 are indexed in Clarivate/ISI WoS).

## Topics

### ◆ Control systems

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

### ◆ Quality and Testing

IoT and CPS dependability; automatic test generation; design for testability; built-in self-test/repair; reliability; software QA; system testing; machine learning and test; quality of experiments; field trials and deployment; advanced metering infrastructure; wide-area monitoring; test, reliability and security of emerging technologies.

### ◆ Robot control

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

### ◆ Applications

Cyber-physical systems; industry 4.0 applications; software applications; network sensors; image processing; eHealth; eLearning; eCitizen and Smart City.

### ◆ Student forum

Student presentations in the above topics.

## Special sessions

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

### General Chair

Liviu Miclea (TU Cluj-Napoca, Romania)

### Honorary Chair

Yervant Zorian (Synopsys, USA)

### General Vice-Chairs

Mihail Abrudean (TU Cluj-Napoca, Romania)

Honoriu Vălean (TU Cluj-Napoca, Romania)

### Program Chair

Paula Raica (TU Cluj-Napoca, Romania)

### Program Vice-Chair

Zsófia Lendek (TU Cluj-Napoca, Romania)

### Special Session Chair

Cristina Mureşan (TU Cluj-Napoca, Romania)

### Finance Chair

Mihail Abrudean (TU Cluj-Napoca, Romania)

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Teodora Sanislav (TU Cluj-Napoca, Romania)

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### Publicity Chair

Iulia Ştefan (TU Cluj-Napoca, Romania)

### Web & Publication Chair

Szilárd Enyedi (TU Cluj-Napoca, Romania)

### Student Forum Chair

Camelia Avram (TU Cluj-Napoca, Romania)

### Program Committee Topic Chairs

- To be defined

