

## Location

AQTR 2020 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 6, 2020
- ◆ Paper submission: January 13, 2020
- ◆ Notification of acceptance: March 31, 2020
- ◆ Camera-ready papers: April 14, 2020



## 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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## 2020 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics

**AQTR 2020 (THETA 22)**

**May 21-23 2020  
Cluj-Napoca, Romania**

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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



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 2020 (THETA 22), which will be held in Cluj-Napoca, Romania, on May 21-23 2020. The conference follows the tradition of the 21 automation and testing-related scientific events, organized in Cluj-Napoca since 1981 under the name THETA/AQTR.

AQTR 2020 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 (all the editions since 2006 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; 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 Chairs

Liviu Miclea (TU Cluj-Napoca, Romania)  
Ioan Stoian (IPA Cluj-Napoca, Romania)

## Honorary Chair

Yervant Zorian (Synopsys, USA)

## General Vice-Chair

Mihail Abrudean (TU Cluj-Napoca, Romania)

## Program and Tutorial Chair

Paula Raica (TU Cluj-Napoca, Romania)

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Dan Gota (TU Cluj-Napoca, Romania)

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## Special Session Chair

Mirela Dobra (TU Cluj-Napoca, Romania)

## Publicity Chair

Iulia Ștefan (TU Cluj-Napoca, Romania)

## Web & Publication Chair

Szilárd Enyedi (TU Cluj-Napoca, Romania)

## Program Committee Topic Chairs

- To be defined

