

Location

AQTR 2014 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 120000 students. The city will be the 2015 European Youth Capital.



Key Dates

- ◆ Special session proposals: January 14, 2014
- ◆ Paper submission: January 21, 2014
- ◆ Notification of acceptance: April 8, 2014
- ◆ Camera-ready papers: April 22, 2014



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 National Education
- ◆ SRAIT - Romanian Society of Automation and Technical Informatics

For submission details and additional information

<http://www.aqtr.ro>

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2014 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics

AQTR 2014 (THETA 19)

**May 22-24 2014
Cluj-Napoca, Romania**

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 2014 (THETA 19), which will be held in Cluj-Napoca, Romania, on May 22-24 2014. The conference follows the tradition of the 18 automation and testing-related scientific events, organized in Cluj-Napoca since 1981 under the name THETA/AQTR.

AQTR 2014 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.

Selected papers will be included in IEEE Xplore database and submitted for ISI indexing.

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, networking and security, 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.

◆ Student forum

Student presentations in the above topics.

Tutorials

- ◆ On test technology topics, offered by IEEE TTTC Test Technology Educational Program (TTEP) 2014 (<http://tab.computer.org/tttc/teg/ttep>)
- ◆ On other conference topics

Special sessions

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

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