

AQTR 2020

- Special session –

Workshop on Cognitive Systems for Personal Robots and Autonomous Vehicles.

Chairs:

Professor Adina Magda Florea, PhD
Professor Liviu Miclea, PhD

University Politehnica of Bucharest, Romania
Technical University of Cluj-Napoca, Romania

Organizers:

Assoc. Prof Enyedi Szilard, PhD
Senior Lecturer Ovidiu Stan, PhD

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

Aim: The purpose is to bring together engineers, scientists and academics from around the world to discuss and explore the challenges on Cognitive Systems for Personal Robots and/or Autonomous Vehicles. Personal Robots and Autonomous Vehicles have received increase attention from the academic and industry environment and represent latest trends in software architecture to deliver high-quality software-based services to clients. In this case, the thematic areas approach challenging and innovative topics from a theoretical, practical and application-oriented point of view. The proposed special session is an area that requires significant innovation and breakthroughs towards radically new future forms of interaction. The special session provides an informal, interactive venue for discussion of work in progress and future directions.

Suggested topics include, but are not limited to, the following:

- User-Centered Cognitive Social Robots for a Digital Society of the Future
- Learning in cognitive systems
- Self-instructional cognitive systems
- Intelligent, context-dependent services
- Robot customizations
- Autonomous driving
- Synthesizing natural language for assistive robots and interacting with the environment
- Bio-inspired Computing
- Distributed computing platform for pervasive systems
- Cloud-Fog-Edge-based Architectures and Microservices
- Evolutionary Computing
- Cognitive Internet of Things (IoT)
- Cognitive vehicles
- Cognitive robots
- Decision Support Systems
- Infrastructures, frameworks, libraries, and APIs for cognitive systems development

Details regarding paper formats/post conference special issues for selected papers:
<http://www.aqtr.ro>