



International scientific meeting in the field of autonomous robotics and related areas

<http://robotica2015.utad.pt/en/icarsc>

8-10 April 2015

In conjunction with ROBOTICA 2015, a RoboCup local event University of Trás-os-Montes and Alto Douro, Vila Real, Portugal

### Important Dates

Submission	January 18, 2015
Notification	February 22, 2015
Early Registration	Mars 1, 2015
Camera Ready	Mars 8, 2015

### Steering Committee

António Paulo Moreira	University of Porto	Portugal
Bruno Siciliano	Università di Napoli Federico II	Italy
Luis Paulo Reis	University of Minho	Portugal
Nuno Lau	University of Aveiro	Portugal
Pedro Lima	Instituto Superior Técnico	Portugal
Satoshi Tadokoro	Tohoku University	Japan

### Organizing Committee

António Valente	UTAD / INESC TEC	Portugal
Raul Morais	UTAD / INESC TEC	Portugal
Luís Almeida	University of Porto / IT/MDH	Portugal
Lino Marques	University of Coimbra / ISR	Portugal

# ICARSC 2015

IEEE International Conference on Autonomous Robot Systems and Competitions

UTAD • Vila Real • 8-10 April 2015

## CALL FOR PAPERS

- Agricultural Robotics
- Applications of Autonomous Intelligent Robots
- Artificial Intelligence
- Autonomous Robotic Systems
- Benchmarking
- Computer Vision and Image Processing
- Control Architectures and Programming
- Cooperative Perception
- Cooperative Planning and Task Allocation
- Dexterous Manipulation and Grasping
- Educational Robotics
- Entertainment Robots
- Evolutionary Robotics
- Human-Robot Interaction
- Localization, Mapping, and Navigation
- Locomotion and Actuation Systems
- Multi-Robot Coordination
- Multi-Robot Systems
- Planning, Reasoning and Modeling
- Recognition and Tracking
- Robot Learning
- Robotic Competitions
- Robotic Simulation
- Sensors and Sensor Integration
- Underwater Robotics

The IEEE(\*) International Conference on Autonomous Robot Systems and Competitions gathers participants from academia and industry working in the field of autonomous robotics and related areas. It is organized within the 15th Portuguese Robotics Open, a RoboCup-sponsored local event.

The conference will be held at the University of Trás-os-Montes e Alto-Douro (UTAD) in Vila Real, Portugal, on April 8-10, 2015.

UTAD is a young university that spawned from the previous Vila Real Polytechnic Institute in 1986. Vila Real is at the heart of the Port Wine producing region in the north of Portugal, approximately 100km inland from Porto. It is also the town of the Mateus palace that became immortalized in the labels of the Mateus Rose wine bottles. It is very well served by several highways being easily reachable from Porto by bus.

The conference started as the meeting point of the Portuguese community working on Mobile Robotics Competitions and soon grew to an open international event to share related research work.

ICARSC has long been an IEEE co-sponsored event and its proceedings have recently been indexed in IEEExplore and in Scopus. Moreover, similarly to previous editions, a special section in a specialized journal will be set up to accommodate the publication of extended versions of selected papers.

This year the conference will particularly seek cutting-edge research works on Agricultural Robotics.

### Paper Submission

Authors are invited to submit original research contributions in English.

Authors should submit their papers electronically in PDF format via EasyChair <https://easychair.org/conferences/?conf=icarsc2015>

Six pages in the standard IEEE format are allowed for each paper, including figures.

Papers must be written in English following the standard IEEE guidelines [http://www.ieee.org/conferences\\_events/conferences/publishing/templates](http://www.ieee.org/conferences_events/conferences/publishing/templates)

Authors must remove their names from the submitted papers, and should take reasonable care not to indirectly disclose their identity.

We would like to highlight that a list of selected papers from the conference will be invited to submit an extended contribution to a special section to be published by early 2016 in the Journal of Intelligent and Robotic Systems.

<http://www.springer.com/engineering/robotics/journal/10846>

Alto Douro Wine Region, UNESCO World Heritage

