# *CAR2013*

8th National Conference on Control Architecture
of Robots
June 12-13, 2013
Angers, France

## Call for Papers

The CAR conference gathers researchers of the french robotics community interested in the transverse theme of embedded software for controlling autonomous robots. This event is an opportunity to meet other scientists and get an overview of research currently conducted in french labs.

It intends to be a meeting to expose and discuss gathered expertise, identified trends and issues, as well as new scientific results and applications around software control architectures related topics, through plenary invited papers.

As for precedent editions, the CAR's scientific committee expects papers and slides in english to favor the international visibility of presented work. Submissions can be either full papers, or extended summaries (i.e. short papers).

CAR 2013 will be held in conjunction with JDA2013 (Journées des Démonstrateurs en Automatique). Demonstrations and videos are welcome, contact the organisation commitee.

## Topic of interest

- Networked robots, sensors and actuators
- Teleoperation and remote control for networked robots
- Distributed control and communication in swarms
- Coordination in heterogeneous flocks of robots
- Hardware-in-the-loop simulation
- Distributed control architectures technology (eg bio-inspired architecture, …)
- Experience reports and lessons learned from multi-robot case studies
- Models and standards for Robotics
- Task planning
- Interaction between planners and other components of the architecture
- Programming languages for robotics
- Middleware for robotics
- Scientific challenges and perspectives for robotic software

## Important dates

- Paper submission (full paper or extended abstract : **april 20, 2013**
- Notification of acceptance : **may 3, 2013**
- Camera ready due : **may 26, 2013**
- Conference : **june 12-13, 2013**

## Submission guideline

- Even if CAR is a french conference, we prefer article written in english
- No specific style is asked : latex article style is welcome
- No limit on article length, usually articles for CAR are between 6 and 17 pages long

## Scientific committee

- David Andreu, Univ. Montpellier II
- Noury Bouraqadi, Mines de Douai
- Jean-Loup Farges, ONERA, Toulouse
- Philippe Lucidarme, Univ. Angers
- Jacques Malenfant, Univ. P. et M. Curie, Paris
- Eric Moliné, DGA, Bourges, France
- Cyril Novales, Univ. Orléans
- Roger Pissard-Gibollet, INRIA Rhône-Alpes, Grenoble
- Daniel Simon, INRIA Sophia Antipolis, Montpellier
- Olivier Simonin, Univ. Lorraine, Nancy

## Organization committee

- David Andreu, Univ. Montpellier II
- Laurent Autrique, Univ. Angers
- Nicolas Delanoue, Univ. Angers
- Marie-Françoise Gérard, Univ. Angers
- Rémy Guyonneau, Univ. Angers
- Sébastien Lagrange, Univ. Angers
- Mehdi Lhommeau, Univ. Angers
- Philippe Lucidarme, Univ. Angers
- Kristell Tanqueray, Univ. Angers

*http://lisa.univ-angers.fr/car2013/*