

## Call for papers

### 7th International Symposium on DISTRIBUTED AUTONOMOUS ROBOTIC SYSTEMS

**DARS 2004**

LAAS/CNRS, Toulouse, France

June 23-25, 2004

<http://www.laas.fr/DARS04>



#### Deadlines:

Full paper submission: **February 1, 2004**

Notification of Acceptance: **March 7, 2004**

Camera-ready Manuscript: **April 4, 2004**

The Symposium on Distributed Autonomous Robotic Systems deals with new strategies to realize advanced distributed robotic systems. Technologies, algorithms, and system architectures will be presented and discussed during the symposium. All interested researchers and engineers are invited to participate in DARS 2004.

The International Symposium on Distributed Autonomous Robotic Systems successfully took place in 1992, 1994, and 1996 in Japan (Riken, Wako), in 1998 in Germany (Karlsruhe), in 2000 in USA (Knoxville, Tennessee) and in 2002 at Fukuoka (Japan). LAAS, Toulouse, France will host DARS 2004.

Selected papers will be included in the proceedings of DARS 2004, which will be published as a monograph entitled "Distributed Autonomous Robotic Systems 6", by Springer-Verlag.

#### Topics:

- Distributed Robotic Systems
- Architectures for teams of autonomous robots
- Learning and adaptation in teams of robots
- Cooperation of Multiple Robots
- Distributed/Cooperative Perception
- Distributed Problem solving
- Issues in tradeoff of tasks between teams members
- Decisional autonomy and mixed initiative
- Distributed/Cooperative sensing
- Self-Organizing Robotic Systems
- Cellular Robotics
- Collective/Swarm Intelligence
- Control issues in multi-robot systems
- Multi-robot manipulation
- Multi-robot motion coordination
- Performance metrics for robot teams
- Human and robot team interaction
- Bio-Robotics
- Applications: UAVs, UUVs, UGVs, environment exploration, logistics, assembly, search and rescue