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Special Session on
“Machine Vision, Communication and Control”

Organized by

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Call for Papers

Theme: The integrated function of machine vision, communication and control have become an important task for autonomous robot navigation (to avoid collisions) and in collaborative work in swarm robotics, moreover, it is an important task to determine the most effective approaches of machine vision in the context of the task that is performed. Although our primary interest is in automatic systems in all their aspects, several control, communication and navigation applications have a close relation with

these systems. Each contribution, applications or innovations for any of these fields are welcome in this special session.

Topics of interest include, but are not limited to:

- Laser scanning
- Autonomous navigation
- Visual servoing techniques in mobile robots.
- Innovative solutions in Stereo Vision applications
- Vision-based target detection and tracking
- Visual control with constraints
- Swarm robotics
- Robot Communication
- New trends in visual control
- Surface Mapping and Recognition