

# IEEE-ICIT 2010 International Conference on Industrial Technology

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## Special Session on

## Mobile Robotics

Organized by

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## Call for Papers

Robotics is a multidisciplinary area of study that presents enormous commercial and research potential. While industrial robotics covers the study, design, and use of robot systems for manufacturing, mobile robotics concerns about developing systems that are capable of making decisions and acting autonomously in real and unpredictable environments to accomplish determined tasks. In the last ten years, technological advances made possible the development of very efficient sensors and electronic devices at affordable prices. This fact has great impact on robotics research, allowing the development of efficient and relatively cheap sensors and computing devices. It also allows robots to accomplish more complex tasks, posing new challenges to scientists and engineers. This session focuses on all aspects of mobile robotics and intelligent systems, including related areas and applications. Papers on, but not limited to, the following topics are welcome:

- Navigation
- Motion Planning
- Localization
- Mapping
- Multi-robot systems
- Autonomous Vehicles
- Aerial Robotics
- Underwater Robotics
- Humanoid Robotics
- Rehabilitation Robotics
- Micro/Nano Robotics
- Assistive Technologies
- Vision-based Control
- Robotic Design
- Swarm Robotics

The deadline and notification dates are published in the conference webpage.

Accepted papers will be published in an IEEE proceedings volume and will be included in IEEE Xplore and indexed by EI Compindex. In addition, selected papers will be invited for publication in the IEEE Transaction on Industrial Electronics.