



**ISDA 2011**

11th International Conference on Intelligent Systems

Design and Applications (ISDA)

November 22-24, 2011 - Córdoba, Spain



## **Special Session on Robotics and Intelligent Systems (RIS'2011)**

11th International Conference on Intelligent Systems Design and Applications (ISDA)  
November 22-24, 2011 - Córdoba, Spain, <http://www.uco.es/isda2011/>

**Session Organizers: Tauseef Gulrez<sup>A</sup> & Alessandro Tognetti<sup>B</sup>**

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### **Scope of the Session:**

This session is an effort to disseminate the current advances in robotics and intelligent systems for manipulation and to stimulate a discussion on the future research directions in these fields. We expect that this session will succeed in invigorating research interests towards the development and applications of robotics and intelligent systems. Robotics may be exploited to assist human beings in number of ways from farming to avionics, bio-medicine, automotive, rehabilitation etc. The goal of this session "Robotics and Intelligent Systems" is to exchange and stimulate research ideas to realize advancements in robotic and intelligent systems together. Robotics and Intelligent Systems are rapidly growing, interdisciplinary research areas lying at the intersection of computer science, mechatronics, control systems, electrical and mechanical engineering. Technologies, algorithms, system architectures, and applications will be presented and discussed during the session.

### **Topics:**

The papers having the scope from the following topics will be discussed in this session:

- Robotics
- Autonomous Navigation
- Brain Remapping Systems
- Rehabilitation Robotics
- Environment Mapping
- Cognitive Robotic Systems
- Adaptive Learning Systems
- Intelligent Shared Control Vehicular Systems
- Intelligent Graphical User Interfaces
- Dialogue Systems and Affect Learning
- Human Body Sensing and Systems

**Paper Submission:** Please follow the instructions on the conference website for paper submission process, [http://www.uco.es/isda2011/?page\\_id=11](http://www.uco.es/isda2011/?page_id=11)

**Important Date:** Deadline for registration and final manuscripts submission is: **September 16, 2011.**

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