

PROGRAMME

Monday 3		Tuesday 4	
08:30 - 09:00	Registration		
09:00 - 09:15	Conference Opening	09:00 - 10:30	Session 4
09:15 - 10:30	Session 1		
10:30 - 11:30	Plenary Session Yiannis Demiris	10:30 - 11:30	Plenary Session Jan Peters
11:30 - 12:00	Coffe break	11:30 - 12:00	Coffe break
12:00 - 13:30	Session 2	12:00 - 13:45	Demos at CITIUS
13:30 - 15:30	Lunch	13:45 - 15:45	Lunch
15:30 - 17:00	Session 3	15:45 - 17:15	Session 5
17:00 - 19:15	Robots en el escaparate	17:15 - 17:30	Conference Clousure
19:15 - 20:0	Reunión de la Red AF		
22:00 -	Conference Dinner		

Monday 3
09:15 - 10:30

Session 1: Robot Localisation

- A FastSLAM Algorithm for Omnivision
- Portable 3D laser-camera calibration system with color fusion for SLAM
- Implementing and evaluating an IR landmark positioning system in the RIDE architecture
- Robot Localisation through Active RFID
- Analysis of different localization systems suitable for a fast and easy deployment of robots in diverse environments

Monday 3
12:00 - 13:30

Session 2: Development of Robot Controllers

- Continuous learning on a real robot through user feedback
- Selecting the most relevant sensors in a wall following behavior
- Programación visual de autómatas para comportamientos en robots
- Soporte del robot humanoide Nao en el simulador 3D Gazebo
- Progress in RoboComp
- A development environment for indoor multiagent transport system with miniAGV

Monday 3
15:30 - 17:00

Session 3: Human-Robot Interaction in Service Robots

- RoboTherapy with Alzheimer patients
- Haptic Simulation: Serious Games for Rehabilitation
- Robotics and augmented reality for elderly assistance
- Development of a Facial Expression Recognition and Imitation Method for Affective HRI
- Active attention for human robot interaction using visual and depth information
- Gesture based interface with voice feedback for a guide robot

Tuesday 4
09:00 - 10:30

Session 4: Robotic Sensors and Actuators

- Assessment of PrimeSense RGB-D camera for robotic applications
- Hardware And Software Infrastructure To Provide To Small-Medium Sized Robots With Advanced Sensors
- Sistema de emulación de Internet para la operación de dispositivos remotos
- Aplicación del FACS en el diseño y construcción de una cabeza mecatrónica de aspecto realista
- Loki, a mobile manipulator for social robotics
- Experiments in self-calibration of an autonomous mobile manipulator

Tuesday 4
15:45 - 17:15

Session 5: Multi-Robot Systems and Path Planning

- A Survey of Team Strategies in Robot Soccer, Focused in Standard Platform League
- Multi-Agent Systems for Environment Analysis and Exploration
- Maniobra de enlace con convoy en entornos urbanos considerando incertidumbre en los tiempos de recorrido. Simulación con Player&Stage
- Anytime Motion Replanning in State Lattices for Wheeled Robots
- Macroscopic "Brownian Motion" by Group Robots
- 2D/3D Optimal Path Planning for an Autonomous Mobile Robot using NURBs