

Poster pitch III – Navigating through the environment (8 posters)

Orientation Estimation by Means of Extended Kalman Filter, Quaternions, and Charts

Pablo Bernal Polo and Humberto Martínez-Barberá

Predicting Battery Level Analysing the Behaviour of Mobile Robot

Pragna Das, Lluís Ribas-Xirgo

A proposal for the design of a semantic path planner using CORTEX

Pedro Núñez, Luis Manso, Pablo Bustos, Paulo Drews-Jr, Douglas G.

Building 3D maps with tag information

Ángel Rodríguez, Francisco Gómez-Donoso, Jesus Martínez-Gómez, Miguel Cazorla

A study on applied cooperative path finding

Jonatan Trullàs-Ledesma, Negar Zakeri Nejad, David Quirós-Pérez, Lluís Ribas-Xirgo

Multi-thread impact on the performance of Monte Carlo based algorithms for self-localization of robots using RGBD sensors

Francisco Martín, Vicente Matellán, Francisco J. Lera

An Aerial Autonomous Robot for Complete Coverage Outdoors

Liseth V. Campo, Juan C. Corrales, Agapito Ledezma

Generation and control of locomotion patterns for biped robots by using central pattern generators

Julián Cristiano, Domènec Puig and Miguel Ángel García