

# ROBOTICA 2011

## FESTIVAL NACIONAL DE ROBÓTICA

### Robot@Factory

Call for participation

This competition aims to present a problem inspired on the deployment of autonomous mobile robots on a factory shop floor. One or more robots should be able to transport raw materials between warehouses or machines that process those materials.

The robots must collect, transport and position the materials, self localize and navigate while avoiding collisions with walls, obstacles and other robots.

#### Program

The competition will take place in three days according to the program:

Day 1 – setup

Day 2 – competition

Day 3 – competition

A complete description of the competition can be found in the official

rules document available at the following URL:

[http://robotica2011.ist.utl.pt/docs/2011\\_Robot@Factory-regras-pt.pdf](http://robotica2011.ist.utl.pt/docs/2011_Robot@Factory-regras-pt.pdf) Registration will be open until FEBRUARY, 28th at <http://robotica2011.ist.utl.pt/>

#### Jury

Fernando Ribeiro – Universidade do Minho  
Gil Lopes – Universidade do Minho

#### Technical Committee

Paulo Gomes da Costa  
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António Paulo Gomes Mendes Moreira  
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#### Local organization:

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6-10th April 2011  
Instituto Superior Técnico, Alameda campus, Lisbon,  
Portugal