PRESS RELEASE

Challenge « Move Your Robot » 2016:

Registration open!

Concours « Move Your Robot » 2016

Toulouse, November 9th 2015 – **The second edition of the challenge « Move Your Robot » is open. This international competition dedicated to robotics is organized by the innovative French company Naïo Technologies with a unique goal for the participants: developing the best software to guide the agricultural Robot OZ. « Move Your Robot » offers to students, teachers, researchers and robotics enthousiasts to take control of Oz, and develop professional robotic solutions in an outdoor environment.**

Technologically, the Robot OZ uses communications sensors on bus CAN with a guidage by LIDAR laser and a color stereo camera. The control API is open in order to read the sensors informations and send orders to the robot.

Registrations are now open untill November 30th 2015 for a maximum of 10 teams. The teams will challenge each others on 3 hardships. Final steps will take place in Toulouse (South France) February 26th and 27th 2016.

Move Your Robot 2016: one challenge, three hardships

« Move Your Robot » will take place in three steps, with the final in Toulouse February 26th and 27th 2016.

First hardship: make the robot evolve on a simulator available to schools at the beginning of the year for the students to train on it. The challenge will be to make the robot work on three different maps, simulating increasing complexities of vegetable crops.

Second hardship: participants will plan their navigation software on the real OZ robot, outdoor. The goal remains to browse a circuit representing a farm plot, but this time they will have to take into account the reality on the ground, with measurement uncertainties and slippage of the wheels on the ground.

Third and last hardship: imagining and implementing applications using the original Robot Oz.

A financial allocation will reward the teams with the highest total score on all three tests.

Informations et registrations here: myr@naio-technologies.com

The Robot OZ, Research Version

The « research » version of the agricultural robot Oz is a genuine plateform now fully industrialized, but initially developed in collaboration with Toulouse FabLab and thanks to Arduino micro-controller boards. The main objective is to promote robotics and the artificial intelligence expertise of students. It offers to schools and laboratories a robust mobile robot, simple and safe, that students can program without wasting time or take any risks on the mechanical part. The OZ Research Version is a real teaching tool, modular, allowing students to showcase their skills in programming a professional autonomous robot.

More info: **http://naio-technologies.com/produit/oz-research-version/**

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