

DISTRIBUTED PLATFORM FOR TRAINING IN MOBILE ROBOTICS THROUGH INTERNET

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Abstract

Nowadays, Internet-based techniques have become a powerful tool in all the fields of engineering education. This paper presents a distributed platform that allows the students to access the robots available in the laboratory through Internet. With this platform, a remote environment is created so that the students can carry out different experiments over several available equipments in the lab, with a flexible schedule. This way, the users can create algorithms of basic reactive control and test them on real robotic platforms. Currently, there are three kinds of robots available. The main objective of the work is create a common platform that allows the access to all of them using a common interface of communication in a transparent way from the point of view of the user.