

RoboCup – The evolution of a Robotic Scientific Challenge

Fernando Ribeiro

University of Minho, Portugal

Abstract

The RoboCup is a scientific challenge used to foster research in the robotics areas. The main and ultimate goal consists in developing a robotic football team able to play against a human team in the year 2050. Meanwhile, several approaches are adopted, compared within different leagues,

The presentation will indicate the rules of such a competition, show several videos from all the RoboCup leagues, discuss the actual state of the art of robotic football players, and describe the main characteristics to take into account in order to build such types of robots. These aspects are described and analysed in terms of further developments.