Zjunlict: RoboCup 2013 small size league champion.

Summary: The Small Size League is one of the most important events in RoboCup. The league is devoted to the advancing in mechanical design, artificial intelligence and multi-agent cooperation of mobile robots. ZJUNlict from Zhejiang University has participated in this league for ten years since 2004 and got the first place in RoboCup 2013. In this paper, we introduce the main ideas of the robots’ hardware design of ZJUNlict, and emphasize the intelligent control system including the hierarchical architecture of strategy, the Lua script architecture, learning and selecting trajectories methods based on Dynamic Movement Primitives.

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