An Integrated System for Perception-Driven

Autonomy with Modular Robots

Main Point: We present our novel self-reconfigurable modular robot system, that is the first system with the ability to autonomously perform high-level tasks in an unknown environment by exploring and reactively adapting to observations of the environment.

This paper was previously submitted to IEEE Transactions on Robotics (T-RO) but returned for revisions and we decided not to resubmit.

None of the material in this paper has been published or is under consideration elsewhere, including the Internet.