

Cognitive Robotics

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ABSTRACT

Investigation into the feasibility and suitability of using the BAXTER system and a range of machine learning techniques to enable recognition and reproduction of written characters, and to further collaborate with BAXTER in its principle function as an advanced pick and place machine with additional sorting parameters using a high integration of ROS via image processing suites and kinematic modelling suitable to the hardware constraints of the robot. The research will not compromise the pre-existent inbuilt safety features of the BAXTER system and will allow continued interactive use of the machine



C Brown, G Butcher, S Podmore, W Sarwar, Cognitive Robotics , *Proc. 13th School Conf. for Annual Research Projects*, V F Ruiz (Ed), University of Reading, 24th May 2016.