

Team Canuck 2002

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Abstract. This paper contains an overview of Team Canuck. Team Canuck is the F-180 RoboCup team hailing from the University of Alberta located in Edmonton, Alberta, Canada. It is the first Canadian entry in RoboCup F-180 and is composed mostly of Computing Science and Electrical Engineering graduate students. In this paper we go over the brief history of our team, reveal the team members and explain some of the current collective robotic endeavors going on at the U of A. After the brief introduction we describe the mechanical and electrical designs of the robots. We don't go into tremendous detail but give enough detail to help someone start from scratch. Next, we describe the vision and control software that compute the state of the game and commands for the robots. We also explain about how our programs communicate with each other. Finally, we conclude with the past experiences and the future plans for Team Canuck.