

University of California, Irvine

Background

As part of the UC Irvine Intelligent Ground Vehicle team, students will be in charge of designing and testing a vehicle that will be able to autonomously navigate through an obstacle course for participation in the Intelligent Ground Vehicle Competition (ICVC). The ICVC offers a design experience that is multidisciplinary, theory-based, hands-on, team implemented, outcome assessed, and based on product realization. It encompasses the very latest technologies impacting industrial development including intelligent transportation systems, military applications, and manufacturing. The deadline of the Intelligent Ground Vehicle Competition creates a real-world constraint that provides potential winning recognition and financial gain.

INTELLIGENT GROUND NEHICLE

TRANSPORT AND INC.

20,000

Goals and Objectives

To design an autonomous ground vehicle that can compete in the Autonay and Interoperability Challenge of the IGV competition.

Objectives:

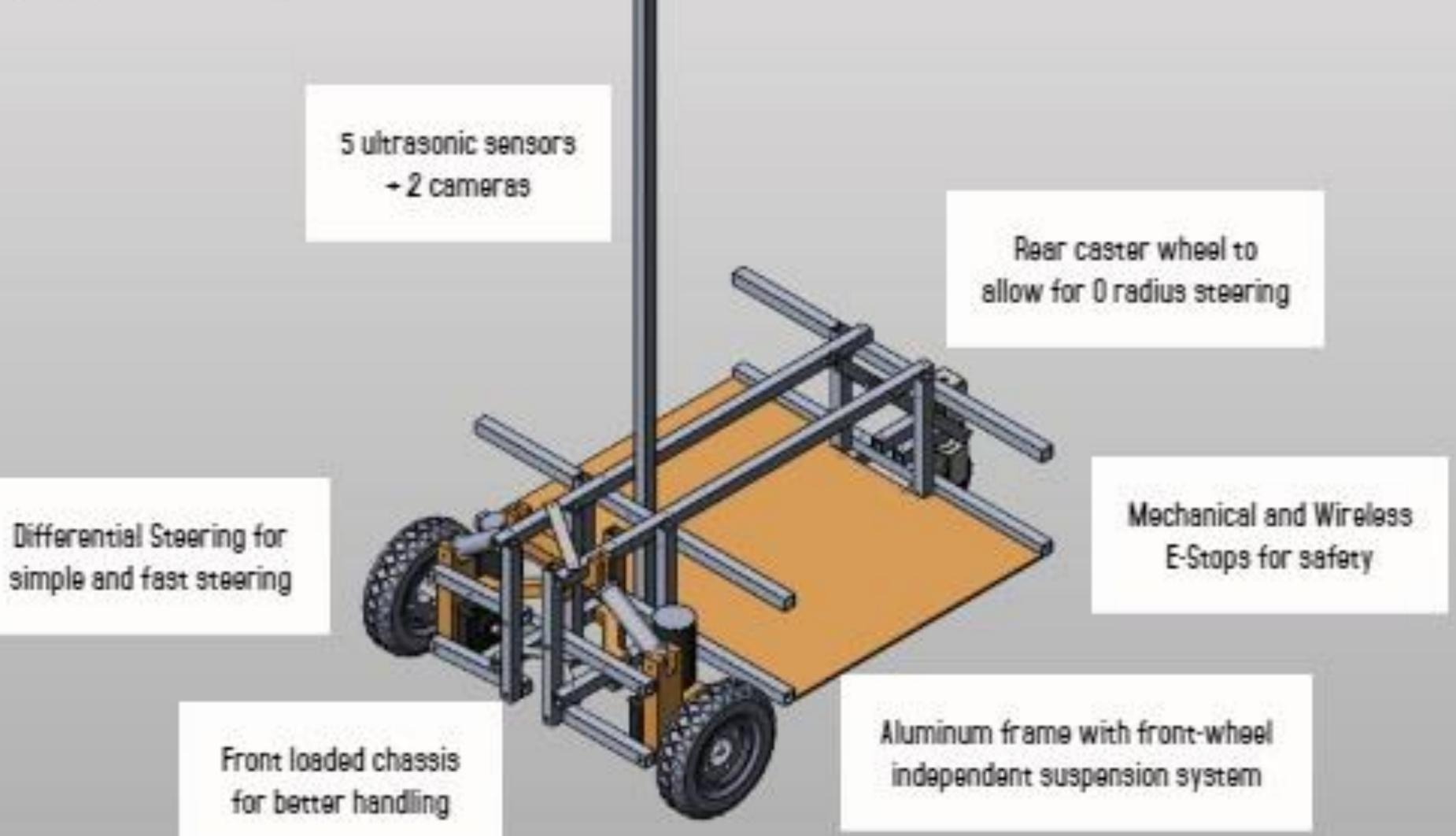
Maintain average velocity of 1 - 5 mph Dodge obstacles such as potholes, barrels, and trees Follow laid out track Climb incline ramps

Move accordingly to location-specific movement commands





Team Members





Advisor

Prof. David Reinkensmeyer dreinken@uci.edu

Contact

Project Lead Tony Moc tmoc@uci.edu