

A **PhD Student Position with full tuition and stipend covered** is open in the Department of Mechanical and Materials Engineering to design and implement Artificial Intelligence-based decision making and intelligent controls of agile maneuver of unmanned ground vehicles (UGVs) in severe terrain and adversary conditions of operation. A successful candidate will work in a team of researchers, both in the US and internationally, to contribute to UGV modeling, simulation, design and control for maneuver, mobility, and energy efficiency.

The PhD position relates to the WPI Autonomous Vehicle Mobility Institute's ongoing research work with the U.S. Army Ground Vehicle Systems Center, Warren, MI.

Qualifications required: knowledge of classic control, and computational modeling, simulation skills.

Qualifications desired, but not mandatory: knowledge of vehicle dynamics, modern and nonlinear control, and skills in AI-based decision making and machine learning, ROS, and C/C++ programming.

A US citizenship or a green card is required, and a background check is also required as part of the hiring process.

The start date is flexible.

Email your CV to

Prof. Vladimir Vantsevich vvantsevich@wpi.edu and Prof. Lee Moradi lmoradi@wpi.edu to discuss details of the research work.