

A **Master's student** or an **Undergraduate student** who graduates in May 2024 is currently in search as a candidate to apply for the DOD SMART Scholarship to support his/her PhD (combined MA and PhD) study with full tuition and stipend. This position relates to the ongoing research work with the U.S. Army Ground Vehicle Systems Center, Warren, MI.

A successful candidate will apply for the DOD SMART Scholarship **before December 1, 2023**

<https://www.smartscholarship.org/smart>

and will start his/her PhD study in summer/fall 2024. This student will develop analytical fundamentals and will work on experimental validation of agile maneuvers of unmanned ground vehicles (UGVs) as extremely fast, precise, and preemptive dynamic interactions with severe environments to guarantee vehicle functioning across variable and rough terrain and sustaining high tempo operations. The student will work in a team of researchers, both in the US and internationally, to contribute to UGV modeling, simulation and design for maneuver, mobility, and energy efficiency.

Qualifications required: background in system dynamics and corresponding computational skills (MATLAB and Simulink).

Qualifications desired, but not mandatory: advanced skills in differential and integral calculus, stability of mechanical systems, and vehicle dynamics.

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

Email your brief resume:

Prof. Vladimir Vantsevich vvantsevich@wpi.edu and Prof. Lee Moradi lmoradi@wpi.edu to discuss details of the research work and receive assistance with the application for the DOD SMART Program.