ARL Summer Student Team Research

Summer 2022 Topic: Palm-sized air-deployed robot for mobile sensing

The Army Research Laboratory and the Maryland Robotics Center seek a team of undergraduate students to conduct research to develop the hardware design, controls, and autonomy of a legged robotic platform that can survive harsh landings and maintain mobility. Students will (1) develop robot morphology and external landing structures; (2) develop, program, and test control strategies to survive ground impact and maintain mobility; and (3) develop sensing, networking, and communication systems for ground level observation.
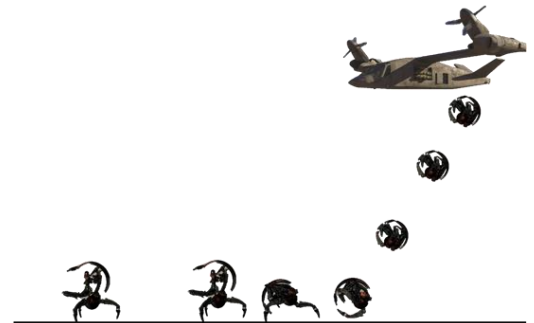
Students with backgrounds in hardware design, mechatronics, controls, sensing, and / or networking are highly desired.

MORE DETAILS:
- 10-week paid internship during summer 2022
- Co-advised by UMD faculty and ARL researchers
- Experimental demonstration at an ARL facility
- ARL facility tours and networking opportunities

ELIGIBILITY:
- Must be a US citizen to participate
- Undergraduates in the University System of Maryland
- Women and minority applicants are strongly encouraged to apply
- Open to all STEM disciplines

TO APPLY:
For best consideration, please fill out information form by March 18, 2022.