

HOWARD UNIVERSITY

College of Engineering & Architecture | AVRCL

HOWARD UNIVERSITY
1867

RAOP: Remote & Onsite Training.
Sim-to-Real Robot Learning.

EMPOWER YOUR STEM EDUCATORS
Research Experiences in STEM Settings (RESS)

WEEK 1: Virtual Lab Setup
WEEK 3: Onsite Integration

A robotic arm is mounted on a base, positioned above a small blue robot car on a circular track. A laptop in the foreground displays a software interface with a 3D model of the robotic arm and a flowchart. A whiteboard in the background lists the two-week milestones.

Program Overview

Howard University invites educators from high-need districts in the DC Metro Area to participate in a fully funded, cutting-edge professional development program. Equip your teachers with the tools to integrate **Robotics, Automation, and AI** into their classrooms.

\$5,900 Compensation Package

Includes a generous stipend, plus coverage for housing and travel during the onsite training week.

World-Class Research Experience

Teachers will work directly with university faculty using state-of-the-art autonomous systems and digital twin technology.

Curriculum & Equipment Access

Participants return to your district with ready-to-use curriculum modules and access to virtual laboratory software.

PROGRAM DETAILS

ELIGIBILITY

Grades 5-12 Educators (In-Service) & Pre-Service Teachers

VIRTUAL PHASE

July 5 - July 16, 2026 (Online)

VIRTUAL RESEARCH WEEK

July 19 - July 23, 2026
(Howard University Campus)

APPLICATION WINDOW

January 15, 2026 - February 28, 2026

CONTACT

Dr. Fadel Lashhab (PI and Director)
fadel.lashhab@howard.edu

Dr. Imtiaz Ahmed (Co-PI)
imtiaz.ahmed@howard.edu

Dr. Katherine Picho (Co-PI)
katherine.picho@howard.edu

VISIT RAOP WEBSITE TO APPLY

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Howard University | Autonomous Vehicles, Robotics, and Control Laboratory (AVRCL) | Washington, D.C.