



AVRC LAB

AUTONOMOUS VEHICLE, ROBOTICS & CONTROL

LAB SAFETY NOTICE · Room B20, Mackey Building

BEFORE YOU BEGIN

- 01** Food or drink is strictly prohibited in the lab under all circumstances.
- 02** Closed-toe shoes required at all times. Eye and hearing protection required whenever a drone is in flight.
- 03** Never fly a drone or run a live program alone - a second trained person must be present.
- 04** Never leave a machine, drone, or ground vehicle running unattended.

KNOW YOUR HAZARDS

 **Battery Fire**
A damaged, swollen, or overcharged LiPo pack can ignite. The most serious hazard in this room.

 **Propeller & Rotor Strike**
Spinning propellers and rotors on the QDrone 2, Aero 2, and 3-DOF Hover can cause lacerations.

 **Pinch & Crush Points**
The QArm, QArm Mini, and Qube-Servo rigs move under program control and can catch fingers.

 **Trip & Collision Hazards**
Ground robots (QBot, QCar 2) move autonomously; cabling and chargers crowd the floor.

EMERGENCY EQUIPMENT IN THIS ROOM

 **Fire Extinguisher**
In the hallway, just outside the lab.

 **First Aid Kit**
Directly to your left as you enter the lab. Class B kit (ANSI/ISEA Z308.1).

 **Sand Bucket**
In the closet, in this room. For LiPo battery fires, per the safety orientation.

EMERGENCY ACTION PLAN



Scan for full EAP

IN CASE OF EMERGENCY

CALL 911

for any fire, major injury, or loss of consciousness

- BATTERY FIRE** · move it away from people and combustibles if safe; extinguisher or dry sand only, never water
- INJURY** · power down the platform first, then apply first aid; call 911 for anything beyond minor
- FLIGHT / PROGRAM ANOMALY** · land or stop immediately on erratic behavior, vibration, or lost signal
- EVACUATION** · when the alarm sounds, evacuate immediately - do not stay to finish a flight or program

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CAMPUS POLICE
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non-emergency
Howard University
Dept. of Public Safety