



Georgia Tech

**Institute for Robotics  
and Intelligent Machines**





# Solving Problems Across Disciplines while Maximizing Creative Outcomes

## IRIM Research & Facilities Overview

### Research Areas

- Foundations of Robotics
- Field & Service Robotics
- Human-Centered Robotics
- Manipulation & Locomotion
- Safe, Secure, & Resilient Autonomy
- Sensing & Perception

## Core Facilities

The Institute for Robotics and Intelligent Machines supports and facilitates the operation of several core research facilities on campus allowing our faculty, students and collaborators to advance the boundaries of robotics research.

- Human Augmentation Core
- Robotarium
- Aware Home



## Robotics Education

A fully integrated, multidisciplinary experience, the M.S. & Ph.D. programs include both coursework and research with faculty members in various units across campus.

Georgia Tech offers an interdisciplinary path to an MS in Robotics, as well as the first Ph.D. program in robotics, to students enrolled in a participating school within either the College of Computing or the College of Engineering.



### Ph.D. Program in Robotics

Offered jointly by the College of Computing and the College of Engineering, the Ph.D. program in Robotics is the first truly multidisciplinary robotics degree of its kind in the world—and only the second robotics doctorate offered in the U.S. The program is closely tied to the Institute for Robotics and Intelligent Machines at Georgia Tech and involves the schools of Interactive Computing, Electrical & Computer Engineering, Mechanical Engineering, Biomedical Engineering and Aerospace Engineering.



### The Master's in Robotics

According to the Georgia Chamber of Commerce, automation and robotics is expected to be a primary area of growth in Georgia over the next decade. This increasing demand drives a need for experienced, educated, and qualified professionals to serve and lead in these increasingly automated industrial and service-oriented environments. To meet this growing demand, the Georgia Institute of Technology has developed a new professional interdisciplinary master's Program in Robotics.



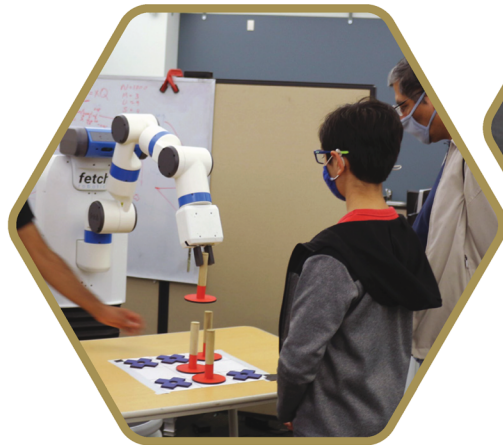
## Industry Partners Program

Our Industry Partners Program allows members to explore opportunities for research collaborations, testing services, consulting relationships, student hiring, and other valuable interactions.

### Major Areas of Robotics Research

- Automation & Logistics
- Human-Centered Robotics
  - Manufacturing & Agricultural
  - Medical & Assistive

Learn more about the Program at:  
[research.gatech.edu/robotics/robotics-industry-program](https://research.gatech.edu/robotics/robotics-industry-program)



## Community Outreach

The Institute for Robotics & Intelligent Machines (IRIM) participates in numerous K-12 STEM and community outreach activities related to robotics. Our outreach effort includes providing tours and demos during National Robotics Week, Open House Lab Tours during the annual Atlanta Science Festival, open to the public seminars, and visits from local and state school groups to our research facilities.







[research.gatech.edu/robotics](https://research.gatech.edu/robotics)

