



Georgia Tech

Institute for Matter  
and Systems



# Ph.D. Fellowship Program for Interdisciplinary Research in Matter and Systems

## The Need

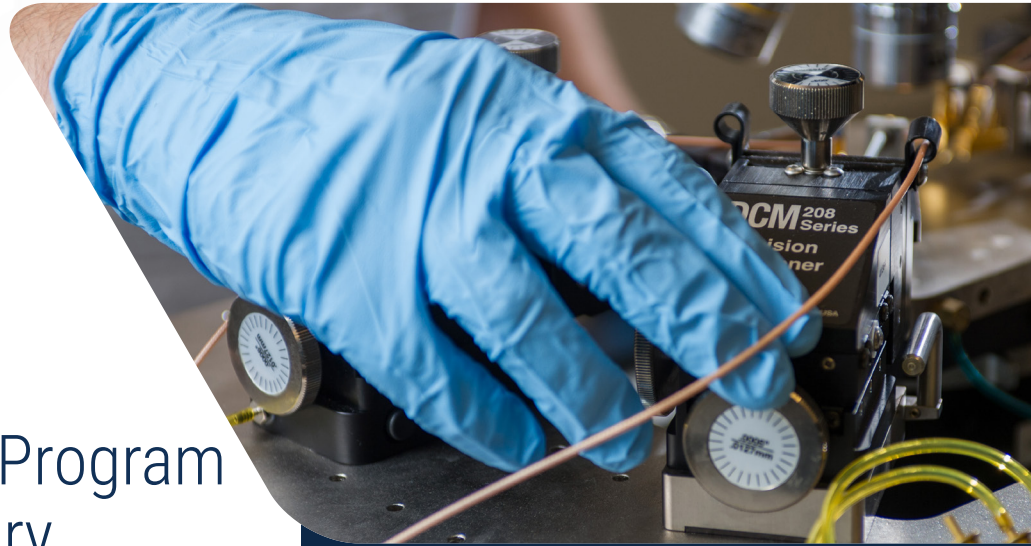
The Georgia Tech Institute for Matter and Systems (IMS) Fellowship program will develop forward-thinking researchers able to execute and communicate across multiple disciplines, and develop novel frameworks that will catalyze transformational technological and systems discovery and innovation for industry.

## The Approach

Through an expendable gift of \$35,000, the sponsor will support the education and training of a Ph.D. student and enable the advancement of groundbreaking discoveries in areas of strategic interest to sponsors.

## The Process

Upon funding, IMS will issue a request for applications for the Ph.D. Fellowship Program in research areas aligned with sponsor needs. The application will be written by the students, include the student's resume and a two-page research proposal that is developed in collaboration with Georgia Tech faculty. Successful proposals will involve research associated with multiple disciplines and the students must have coadvisors that represent each of these disciplines. Applications from students in all areas of engineering, science, computing, and policy whose research proposals align with the defined strategic technical areas will be considered. Applications will be sent to sponsors for their input and independently reviewed by a faculty committee, culminating in a ranked list of Fellowships for funding that align with the defined strategic technical interests.



## The Benefits of Sponsoring:

- Engage with top Ph.D. students and their faculty advisors in groundbreaking interdisciplinary research in areas of strategic interest.
- Receive students' resumes for recruiting interns or full-time employees.
- Attend a semi-annual research overview event that will include talks and posters by the supported students, their faculty and external thought leaders. The event will include opportunities to interview Ph.D. students.
- Student-faculty visit(s) to sponsor R&D site.
- Virtual access to the IMS "Systems Matter" seminar series.
- Preferential postings/recruiting for internship or job openings on IMS website.
- Customized benefits/R&D areas are available on a case-by-case basis.

## Strategic Technical Areas for IMS Ph.D. Fellowships:

- Microelectronic technologies that efficiently sense, process, store, and communicate information while addressing issues related to security, privacy, and inequality.
- Built environment technologies for sectors such as automotive, infrastructure and energy that enhance strength, sustainability, reliability, resiliency, and efficiency.
- Human-centric technologies that improve human health, wellness, and performance.
- Frontiers in research infrastructure such as characterization, modeling, simulation, and artificial intelligence that impact numerous technologies.

## Contact

W. Jud Ready  
Associate Director of External Engagement  
jud.ready@gatech.edu | 404.407.6036

[matter-systems.gatech.edu](http://matter-systems.gatech.edu)

