

# OUR LABORATORIES



**Georgia  
Tech**  **Research  
Institute**

Problem. Solved.



## OUR ORGANIZATION:

*The Georgia Tech Research Institute is headquartered on the Georgia Tech campus in Midtown Atlanta. The toughest engineering problems of our customers are solved in eight dynamic research laboratories on and off the main campus, in an array of interdisciplinary research centers, in 15 field offices located around the nation, and at our international location in Athlone, Ireland.*

## RESEARCH LABORATORIES OF GTRI

<http://www.gtri.gatech.edu/labs>

Aerospace, Transportation  
and Advanced Systems  
Laboratory (ATAS)  
Rusty Roberts, Laboratory Director  
[www.gtri.gatech.edu/atas](http://www.gtri.gatech.edu/atas)



ATAS

ATAS develops advanced technologies and systems from concept development to prototypes. Included are system simulations and test and evaluations related to threat radars, missiles, air and ground vehicles, unmanned and autonomous systems, transportation systems, power and energy systems, and food processing technologies.

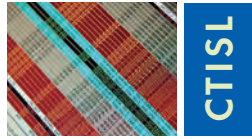
Applied Systems Laboratory  
at Huntsville (ASLH)  
Barry Bullard,  
Laboratory Director  
[www.gtri.gatech.edu/aslh](http://www.gtri.gatech.edu/aslh)



ASLH

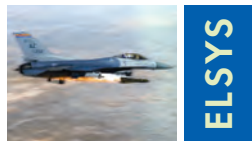
ASLH conducts applied research of air and missile defense and rotary-wing aviation systems that include systems modeling and simulation, systems-of-systems, and family of systems interoperability, fire control, command and control, and tactical software development and engineering.

Cyber Technology and Information Security Laboratory (CTISL)  
Bo Rotoloni, Laboratory Director  
[www.gtri.gatech.edu/ctisl](http://www.gtri.gatech.edu/ctisl)



CTISL conducts applied research focused on secure information systems, network vulnerability, and mission assurance within the cyber domain. CTISL engineers apply the latest technologies in signal and protocol exploitation, Web crawling, malware analysis, and reverse engineering of embedded and application binaries. CTISL also develops and designs secure, resilient enterprise networks for command and control, and secure database applications, services and perimeter guards.

Electronic Systems Laboratory (ELSYS)  
Joe Brooks, Laboratory Director  
[www.gtri.gatech.edu/elsys](http://www.gtri.gatech.edu/elsys)



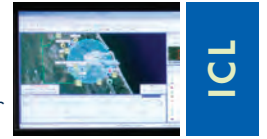
ELSYS employs an end-to-end approach to developing countermeasure techniques for national defense. The laboratory provides operational embedded software and has designed hardware modifications for multiple production systems fielded on military aircraft. ELSYS human systems research supports U.S. government agency needs, industrial product usability and accessibility evaluation, and workplace safety programs.

Electro-Optical Systems Laboratory (EOSL)  
Gisele Bennett, Laboratory Director  
[www.gtri.gatech.edu/eosl](http://www.gtri.gatech.edu/eosl)  
[eosl.gtri.gatech.edu](http://eosl.gtri.gatech.edu)



EOSL conducts research and development of electro-optical systems, with expertise that spans the electromagnetic spectrum from radio frequency (RF) through ultraviolet (UV). Research includes LIDAR, infrared countermeasures modeling and simulation, RF transmit/receive modules for radar, growth and application of carbon nanotubes, multifunctional materials, RFID and optical tagging, and chem-bio sensors. EOSL is also home to the Medical Device Test Center, the Landmarc Research Center, SENSIAC and the Environmental Radiation Center.

Information and Communications Laboratory (ICL)  
Jim McGarrah, Laboratory Director  
[www.gtri.gatech.edu/icl](http://www.gtri.gatech.edu/icl)



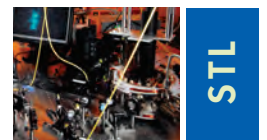
ICL conducts research in areas of computer science, information technology, communications, networking and technology policy to help customers master information. Research supports national security, emergency response, interoperability of interconnected systems, planning, learning and decision support, and systems engineering. The laboratory also supports commercial product realization.

Sensors and Electromagnetic Applications Laboratory (SEAL)  
Bill Melvin, Laboratory Director  
[www.gtri.gatech.edu/seal](http://www.gtri.gatech.edu/seal)



SEAL investigates and develop radio/microwave frequency sensor systems with particular emphasis on radar systems engineering, ELINT, COMINT, MASINT, electromagnetic environmental effects, radar system performance modeling and simulation, advanced signal and array processing, sensor fusion and antenna technology.

Signature Technology Laboratory (STL)  
Lon Pringle, Laboratory Director  
[www.gtri.gatech.edu/stl](http://www.gtri.gatech.edu/stl)



STL develops technologies for managing and controlling multispectral signatures of objects under observation by sophisticated sensor systems. The laboratory maintains modeling and measurement capabilities for electromagnetic phenomena from quasi-static to UV wavelengths. STL is recognized for the design, development and deployment of secure enterprise information systems requiring state-of-the-art database, platform and Internet security.

# OUR LOCATIONS

Aberdeen (MD) Field Office

Athlone, Ireland

Atlanta (GA) Headquarters

Cobb County (GA) Research Facility

Dallas (TX) Field Office

Dayton (OH) Field Office

Eglin (FL) Field Office

Hampton Roads (VA) Field Office

Huntsville (AL) Field Office

Jacksonville (FL) Field Office

Orlando (FL) Field Office

Panama City (FL) Field Office

Pearl City, Hawaii

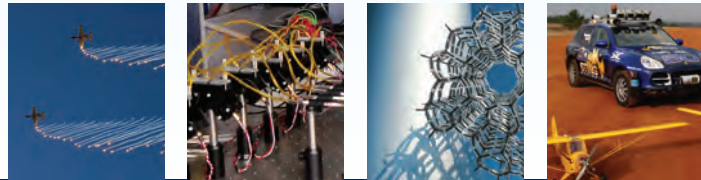
Quantico (VA) Field Office

San Diego (CA) Field Office

Tucson (AZ) Field Office

Warner Robins (GA) Field Office

Washington, D.C. Operations



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250 14th Street N.W. | Atlanta, GA 30332