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GTRI Signal
MONTHLY RESEARCH NEWSLETTER

GT Georgia Tech.
Research Institute

NOVEMBER-DECEMBER RESEARCH NEWS

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[Aeroacoustics Research Could Help Quiet Upcoming Supersonic Business Jets](#)

Groundbreaking aeroacoustics research being done for the Federal Aviation Administration (FAA) by Georgia Tech researchers and Savannah-based Gulfstream Aerospace could lead to quieter operation of future supersonic civilian aircraft, including business jets. Such aircraft could dramatically reduce flight time for passengers and crew, but because their engines can't take advantage of sound-reducing technology now used in commercial aircraft, additional technology will be needed to mitigate noise. Research being done in unique aeroacoustics test facilities at GTRI will provide detailed data to be used in computer models designed to help optimize engine configurations for the supersonic aircraft.



Claims Database Will Provide a Clearer Picture of Health in Georgia

State policymakers, health care researchers, and others will have a clearer picture of the health of Georgia citizens thanks to a new database of medical, dental, and pharmacy claims for public and private insurance plans in the state. The Georgia All-Payer Claims Database (APCD), supported by researchers at the Georgia Tech Research Institute (GTRI), will begin reporting and releasing data in early 2024.



Ranges of the Future Will Enhance Joint Warfighter Training and Readiness

Training ranges across the United States and around the world help pilots and aircrew members stay at the top of their game, all while adopting the new tactics and equipment necessary to address the changing threat environment. A training solution known as WarRoom is helping fulfill the program's tagline, "Better Training. Faster." by integrating disparate training applications and systems at the ranges.

FEATURED



[STEM@GTRI Celebrates 25 Years of Promoting Science, Technology Education](#)

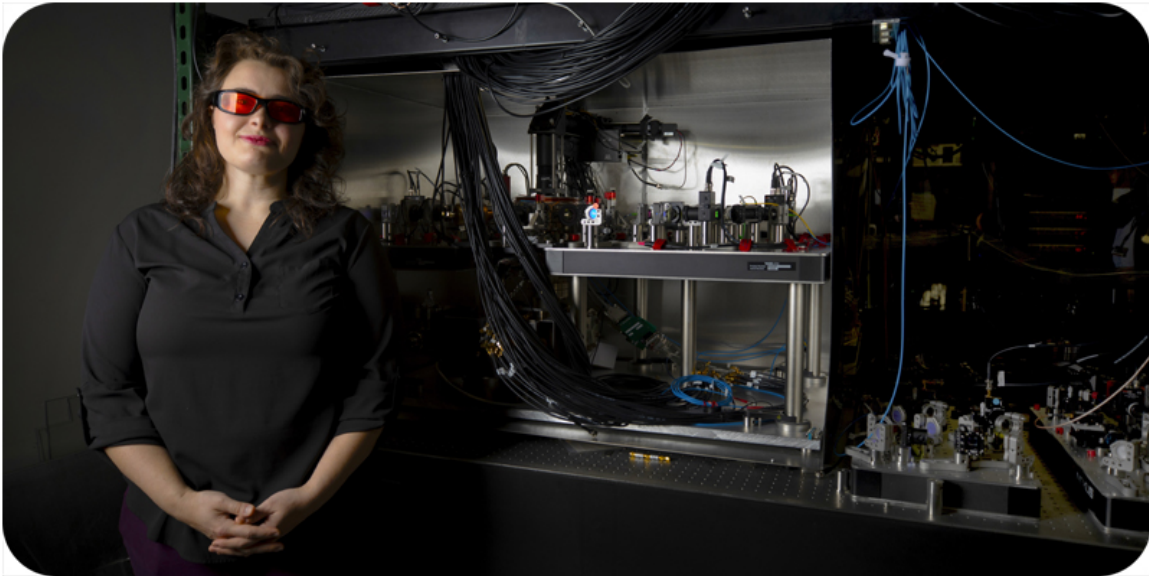
Recently, GTRI leadership and research faculty were joined by State of Georgia leaders, corporate representatives, and educators to celebrate a notable milestone for an important GTRI program. STEM@GTRI celebrated its 25th anniversary recently. STEM @GTRI is the Georgia Tech Research Institute's K-12 outreach program. STEM @GTRI strives to inspire, engage, and impact Georgia's students and educators through hands-on experiences, outreach, and professional learning.

GTRI PEOPLE



[Role Model Award from SHPE](#)

Carolina Colón, a Ph.D. student at Georgia Tech and a member of GTRI's GEM Fellowship cohort, has been honored with the "Role Model Award – Graduate" by the Society of Hispanic Professional Engineers (SHPE). This award is part of SHPE's Technical Achievement and Recognition (STAR) Awards and was presented at the SHPE National Convention taking place in Salt Lake City, Utah, from Nov. 1-5.



[GTRI in Photos - Winter 2023](#)

A new quarterly feature from GTRI photographers Sean McNeil and Christopher Moore showcasing our favorite photos of GTRI research and operations in action.

GTRI IN THE NEWS

[Norfolk Southern is deploying digital train inspection portals](#) (Rail Technology Magazine)

[Norfolk Southern launches AI train inspection technology](#) (PR NewsWire)

[NS Launches AI Train Inspection Technology](#) (Railway Age)

FEATURED VIDEO

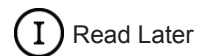


Unique Aeroacoustics Test Facilities Could Help Quiet Supersonic Jets

Specialized and unique aeroacoustics test facilities at the Georgia Tech Research Institute could help quiet future generations of supersonic aircraft, including business jets. The facilities are providing detailed data to be used in computer models designed to help optimize engine configurations for the supersonic aircraft. The research is part of a project being done for the Federal Aviation Administration (FAA) by Georgia Tech researchers and Savannah-based Gulfstream Aerospace.

For more research news and features, please visit the [GTRI Newsroom](#)

GTRI is hiring. Learn more at [GTRI.gatech.edu/careers](https://gtri.gatech.edu/careers)



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