

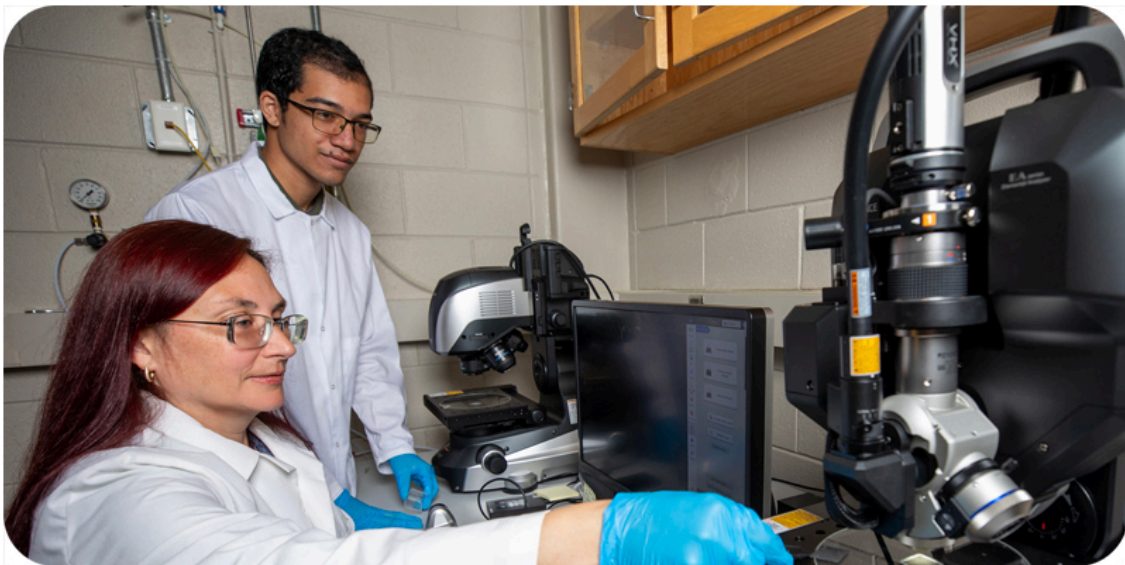
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GTRI Signal
MONTHLY RESEARCH NEWSLETTER

GT Georgia Tech.
Research Institute

FEBRUARY RESEARCH NEWS

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Photographic Sequences Show Effects of Space Exposure on New Materials

Newly gathered long-term image sequences of materials exposed to space conditions on the exterior of the International Space Station (ISS) could help the designers of future spacecraft know what to expect from a new generation of advanced materials.



Study Will Examine Pixies, Jets, and Other Discharges Above Thunderstorms

A new four-year National Science Foundation (NSF) award to Georgia Tech will help researchers learn much more about mysterious cloud top discharges (CTDs), which reach as high as 70 kilometers (about 43 miles) above thunderstorms.

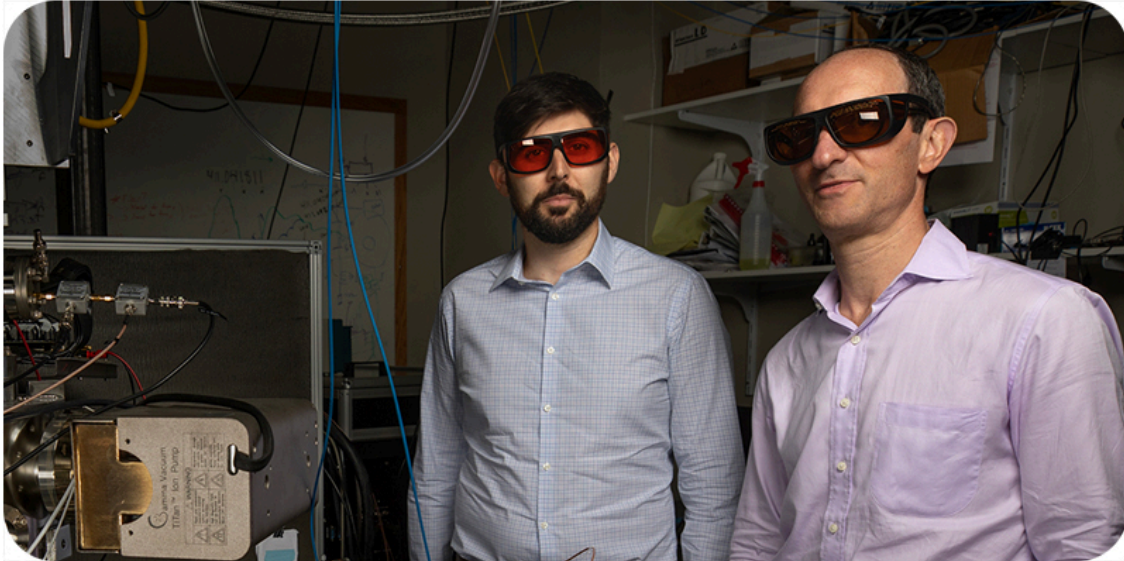


Georgia Tech Publishes President's Report, Research Annual Reports

Three major Georgia Tech 2023 annual reports have been published recently. Georgia Tech President Ángel Cabrera's President's Report describes the Institute's mission of developing leaders who advance technology and improve the human condition. The Georgia Tech Research Report shows how Georgia Tech colleges, interdisciplinary research institutes, GTRI, the Enterprise Innovation Institute, and hundreds of research labs and centers, transform ideas into tangible results for federal and state agencies, companies, and private organizations. And GTRI's annual report shows how we're fulfilling our mission to enhance Georgia's economic development, secure our nation, improve the human condition, and educate future technology leaders.

- [President's Report](#)
- [Georgia Tech Research Report](#)
- [GTRI Annual Report](#)

FEATURED STORY



[New Ion Cooling Technique Could Simplify Quantum Computing Devices](#)

A new cooling technique that utilizes a single species of trapped ion for both computing and cooling could simplify the use of quantum charge-coupled devices (QCCDs), potentially moving quantum computing closer to practical applications.

GTRI PEOPLE



Craig Arndt Achieves INCOSE 'Expert' Certification

GTRI researcher Craig Arndt was recently awarded the “Expert Systems Engineering Professional” (ESEP) certification by the International Council on Systems Engineering (INCOSE). This is one of systems engineering’s most respected and rare honors.

GTRI IN THE NEWS

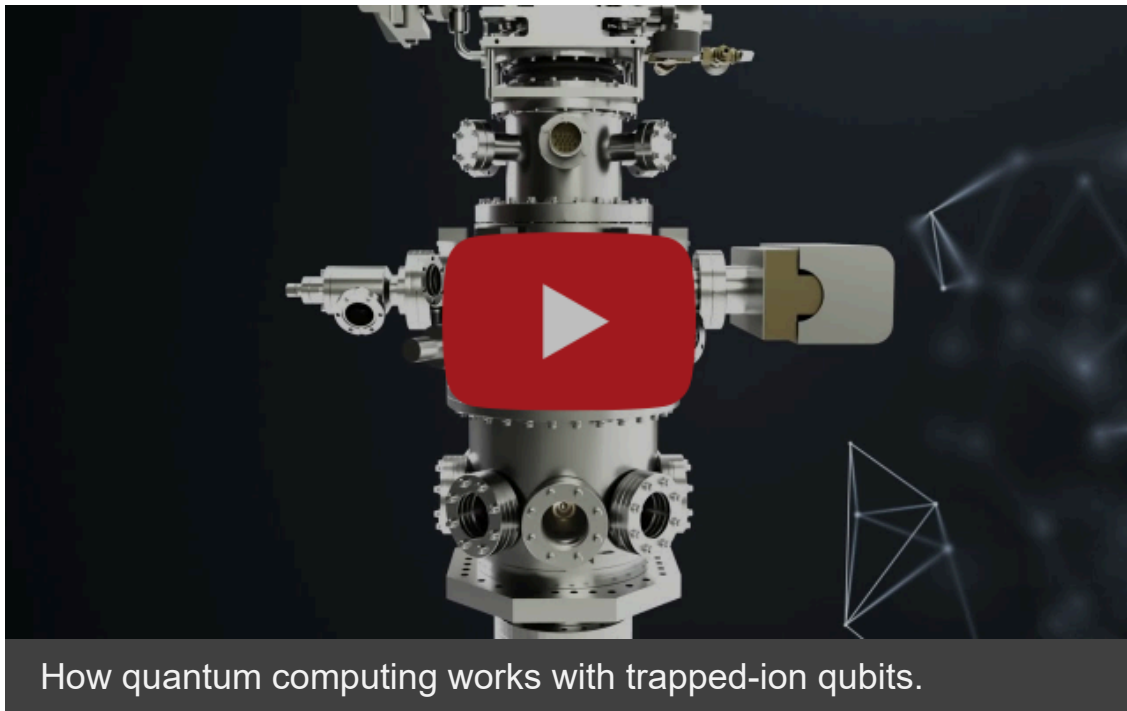
Army struggles to standardize innovation without stifling it (Army Times)

New ion cooling technique could simplify quantum computing devices
(Phys.org)

Salvus Announces Licensing Agreement with Georgia Tech that Enables PFAS Detection (Food Safety Magazine)

Digital inspection portal uses AI and machine vision to examine moving trains (TechXplore)

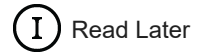
FEATURED VIDEO



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