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**GTRI Signal**  
MONTHLY RESEARCH NEWSLETTER

**GT** Georgia Tech.  
Research Institute



## MAY/JUNE RESEARCH NEWS

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### **Sensor Modernization for MQ-9 Reaper Adopts Open Systems Technology**

Modernization efforts utilizing the Modular Open Systems Approach (MOSA) and the Sensor Open Systems Architecture (SOSA™) standard have enabled the rapid development and prototyping of upgrades for critical sensor systems on the MQ-9 Reaper, a remotely-piloted aircraft designed for long-endurance surveillance.



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### **Jud Ready Joins National Academy of Inventors' 2024 Class of Senior Members**

Jud Ready, a GTRI principal research engineer, has been selected to join the National Academy of Inventors' (NAI) 2024 Class of Senior Members – a group of 124 academic inventors from NAI's Member Institutions who have made significant contributions to innovation and technology.



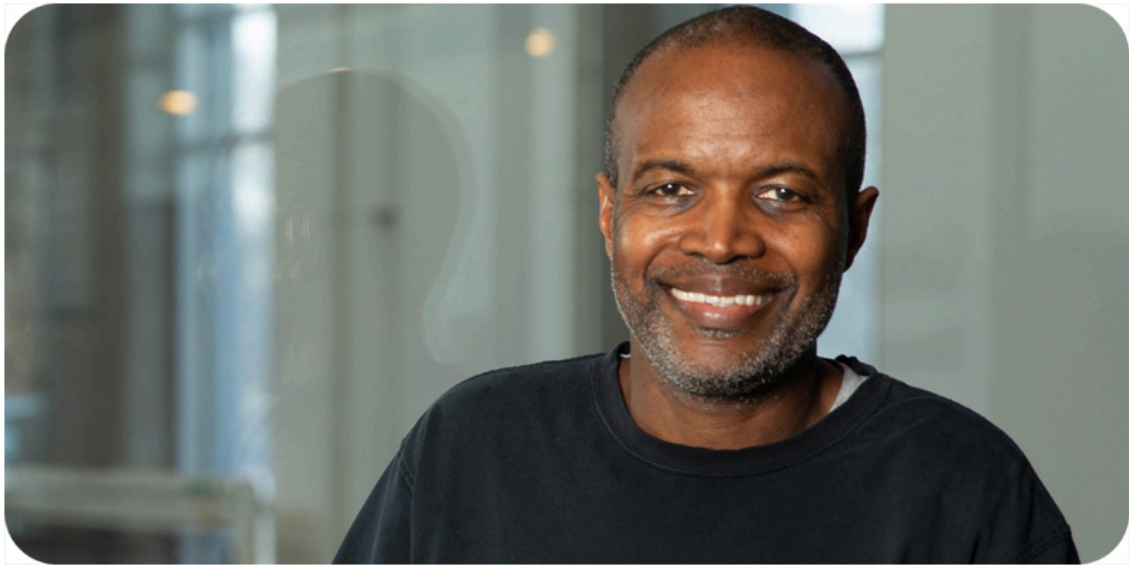
## **Norfolk Southern, GTRI Unveil Georgia's First Digital Train Inspection Portal**

At a recent media event, the Georgia Tech Research Institute (GTRI) and Norfolk Southern unveiled a new digital train inspection portal near Jackson, Georgia, marking the culmination of a three-year collaboration.

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## FEATURED STORY





### **Comas Haynes: Bridging Industry and Academia to Develop Equitable Energy Solutions**

Comas Haynes, a GTRI principal research engineer and branch head of the Materials/Energy unit within the Intelligent Sustainable Technologies Division (ISTD), who also serves as the Hydrogen Initiative Lead at Tech's Strategic Energy Institute (SEI), discusses leveraging his new role on the U.S. Department of Energy's Industrial Technology Innovation Advisory Committee (ITIAC) to promote inclusivity in clean energy development and advancement.

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## GTRI PEOPLE



### **Celebrating Inclusive Excellence: Renée Lartey on the Importance of Mentors**

Renée Lartey is the first Black woman with an operations and project management background to serve as an Associate Lab Director at the Georgia Tech Research

Institute (GTRI), supporting one of the Institute's largest labs. She officially began the role on Dec. 1, 2023, after serving as the lab's interim associate director for nine months.

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## GTRI IN THE NEWS

[\*\*Jackson rail line gets latest tech in Norfolk Southern's efforts to improve safety\*\*](#) (Georgia Public Broadcasting)

[\*\*Norfolk Southern rolls out new safety technology in wake of derailment\*\*](#) (Atlanta News First)

[\*\*Small Data May Have Big Impact on Artificial Intelligence at the Edge\*\*](#) (AFCEA Signal)

[\*\*Norfolk Southern's Machine Vision System Inspects Moving Rail Cars\*\*](#) (Vision Systems Design)

[\*\*Radar gaps threaten millions as severe weather season ramps up in U.S.\*\*](#) (The Washington Post)

[\*\*Richard Truly, 86, Dies; Shuttle Astronaut Who Went On to Lead NASA\*\*](#) (The New York Times)

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## FEATURED VIDEO



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