



MEDIA ALERT

NOT FOR IMMEDIATE RELEASE:

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The Griffiss Institute and the AFRL Information Directorate STEM Outreach Program's Quantum Innovation Camp Taking Place August 15-19 at Innovare Advancement Center

WHAT: Quantum Innovation Camp, a Griffiss Institute and AFRL/RI STEM Outreach Summer Program

WHERE: Colonel Timothy J. Lawrence Quantum Laboratory (1st Floor) at Innovare Advancement Center, 592 Hangar Road, Rome NY

WHEN: Monday, August 15 – Friday, August 19, 2022; Mon-Thurs: 9 am - 4 pm; Fri: 9 am - 12 pm

Media invited to attend on Friday, August 19, beginning at 9:15 am.

WHO: Students; grades 9-12

WHY: Students will innovate and explore in the world of quantum with lasers, atoms, superconductors, and algorithms. They will learn about the future of information and about the physics and engineering of quantum experimentation and witness cutting-edge research. Students will build lasers, learn about superconductivity, and watch tiny, charged atoms (ions) trapped before their very eyes. They will experience quantum levitation, learn how to speak the language of a quantum computer, and visit a state-of-the-art quantum laboratory to observe quantum mechanics in action. This STEM camp is a perfect fit for students who are interested in science, engineering, or computers, and will bring awesome technology and cool concepts to the next generation of young scientists.

BEST PHOTO OPPORTUNITY:

- **FRIDAY, AUGUST 19** There will be a demo show from 9:15 - 9:45 that parents, teachers, and media are free to attend. After that, the students will work on a project to create a cloud

chamber from which they will observe sub-atomic particles. Following that the students will be making liquid nitrogen ice cream. Parents, teachers, and media are free to attend those activities as well.

- **PLEASE NOTE: Upon arrival, please check in on the 2nd floor of the Innovare Advancement Center, and someone from Griffiss Institute will escort you down to the Quantum Lab.**

** *Please Be Advised:*

- *Students wearing either a red or yellow name tag means that their parents did not sign or denied the media release, and therefore cannot partake in interviews and/or photos/video with any media outlets.*
- *Students wearing a green name tag, are fair game for photos and interviews. Thank you for your understanding.*

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About Us

Griffiss Institute (GI) is a nonprofit STEM talent and technology accelerator for the United States Department of Defense and an international network of academic, government and industry partners. Since 2002, the GI has served the Air Force, the Mohawk Valley region, and the United States, empowering diverse teams with talent and technology development programs that lead the nation in technical and economic impact. In the past five years, the GI has partnered with Rome Lab to host 271 visiting scientists, employ 823 interns, support 508 local K-12 students with tuition-free STEM Camps during school breaks, and trained 63 startups in defense tech commercialization with 47 graduates of its incubator. Devoted to converging teams and technologies to solve complex national challenges, the GI is proud to enable its international network from its home at Innovare Advancement Center in New York's picturesque Mohawk Valley. Griffiss Institute exists to elevate the next generation of talent and technologies that enhance national security and economic competitiveness for our region, state, and nation. www.griffissinstitute.org

Innovare Advancement Center is a 150,000 square foot open innovation hub that converges world-class scientific, engineering, and entrepreneurial talent from universities, government, and industry to tackle new challenges in artificial intelligence, machine learning, cybersecurity, quantum, and unmanned aerial systems. Innovare's unique capabilities include highly specialized laboratories for experimentation in quantum communications and neuromorphic computing, 40,000 square feet of high-tech and high-speed communications-enabled collaboration spaces, an auditorium with capacity for over 250 people, an access point to the NY UAS Test Site, and coming in spring 2022 – an indoor unmanned aerial system (UAS) research and testing facility with 110,000 square foot indoor flight testing area - the largest in the United States. www.innovare.org

About AF STEM Outreach Program

The goal of the [AF STEM Outreach Program](#) is to foster a new generation of scientists, mathematicians, engineers and technologists who will one day discover, and problem solve in the nation's defense laboratories and other supporting U.S. companies. To achieve this goal there must be a concerted effort

to connect business, government foundations, institutions of higher education, professional organizations, schools, teachers and students. For additional information about the AFRL/RI STEM Outreach Program, please visit the STEM initiatives page at www.griffissinstitute.org/AirForceSTEM

About Air Force Research Laboratory Information Directorate

With headquarters at Rome, NY, the Air Force Research Laboratory Information Directorate (AFRL/RI) research vector develops novel and affordable Command, Control, Communications, Computing, Cyber, and Intelligence (C4I) technologies. RI is recognized as a national asset and leader in C4I. Refining data into information and knowledge for decision makers to command and control forces is what we do. This knowledge gives our air, space, and cyberspace forces the competitive advantage needed to protect and defend this great nation. www.wpafb.af.mil/afri/ri