

Virginia Tech Applied Research Corporation Joins 5G Security Test Bed as Administrator

The 5G Security Test Bed provides government and industry groups with a real-world environment to test recommendations and security solutions.

WASHINGTON – The 5G Security Test Bed today announced the Virginia Tech Applied Research Corporation (VT-ARC) as the new Test Bed Administrator. The 5G Security Test Bed is a collaborative security testing and validation initiative dedicated to ensuring highly secure commercial 5G networks.

“We are thrilled to have VT-ARC join the 5G Security Test Bed team,” said CTIA SVP and CTO Tom Sawanobori. “As a highly respected academic institution focused on cybersecurity, they will bring invaluable expertise and academic knowledge that will strengthen the Test Bed’s ability to enhance the wireless security ecosystem and ensure strong protections across 5G networks.”

Located in a secure lab facility on its campus in Arlington, Va., the Test Bed will leverage VT-ARC’s expertise in wireless security to test 5G security recommendations across real-world conditions using commercial-grade equipment and facilities.

“The extensive wireless communication experience of the VT-ARC team and their ability to support the full end-to-end RDT&E lifecycle, makes VT-ARC an ideal candidate to support the objectives of this important initiative,” said Michael Miller, VT-ARC Director of the Engineering, Test and Evaluation Division. “VT-ARC is excited to join as a member of the 5G Security Testbed (STB) initiative and take on the responsibility of hosting the 5G STB. Developing and executing wireless test campaigns is a core capability within VT-ARC and we are proud to be in a position to help the 5G STB achieve the goal of demonstrating 5G security in real-world conditions.”

VT-ARC succeeds the University of Maryland (UMD), which served as the Test Bed’s original administrator. Under UMD’s stewardship, the Test Bed published the results of several rounds of tests on 5G network security, successfully validating optional 5G security recommendations ranging from network slicing to transport layer security encryption.

Additional information about the 5G Security Test Bed is available at www.5GSecurityTestBed.com.

More about the 5G Security Test Bed

Created by the directive of CTIA and members of its Cybersecurity Working Group, which convenes the world’s leading telecom and tech companies to assess and address the present and future of cybersecurity, the 5G Security Test Bed is the only initiative that uses commercial-grade network equipment and facilities to demonstrate and validate how 5G security standards recommendations will work in practical, real-world conditions. Governed by industry leaders, guided by government priorities, and managed by CTIA, the Test Bed is the latest in a series of steps the industry has taken to make 5G the most secure network ever. Additional information about the 5G Security Test Bed and how to participate is available at www.5GSecurityTestBed.com.

About CTIA

CTIA® (www.ctia.org) represents the U.S. wireless communications industry and the companies

throughout the mobile ecosystem that enable Americans to lead a 21st century connected life. The association's members include wireless carriers, device manufacturers, suppliers as well as apps and content companies. CTIA vigorously advocates at all levels of government for policies that foster continued wireless innovation and investment. The association also coordinates the industry's voluntary best practices, hosts educational events that promote the wireless industry and co-produces the industry's leading wireless tradeshow. CTIA was founded in 1984 and is based in Washington, D.C.

About VT-ARC

The Virginia Tech Applied Research Corporation (VT-ARC) is a 501(c)(3), non-profit R&D organization affiliated with Virginia Polytechnic Institute and State University (Virginia Tech or VT). Our vision is to be a leader in innovative solutions that safeguard the nation and advance global welfare. In supporting this vision, we build highly collaborative ecosystems that advance science, focus research and enable the integration of cutting-edge capabilities across multiple domains. Working with government and other academic and industry partners, we specialize in applied research, analysis and engineering, as well as in translational research, technical services and commercialization efforts to deliver resilient, mission-focused solutions with enduring effect.

Virginia Tech Applied Research Corporation operates offices in Blacksburg and Arlington, VA (National Capital Region, or NCR). For more information on VT-ARC services, capabilities, and collaborations, please call us at our NCR office: 703.879.8142 or email us at eted.events@vt-arc.org