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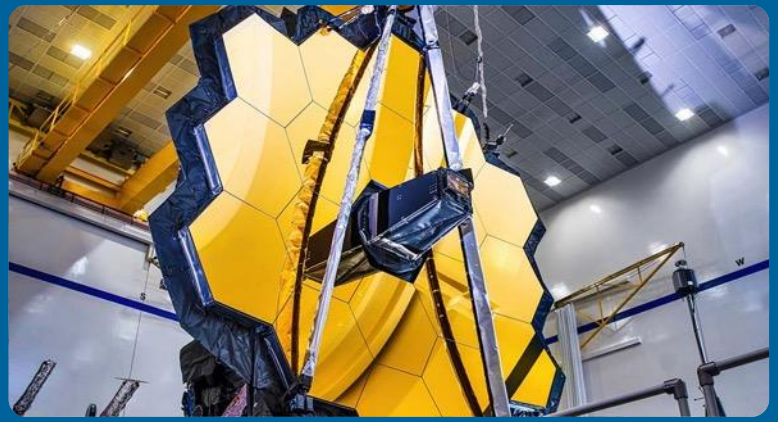
IEEE 5G/6G InnovationTestbed

IEEE 5G/6G Innovation Testbed Testimonials



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Testimonial: Remah Younisse, PhD Student

Princess Sumaya University for Technology

"I spent months searching for the right platform and tried several popular 5G simulators, but none matched the efficiency and realism of the IEEE 5G/6G Innovation Testbed. ***Working with it felt like discovering Ali Baba's secret treasure — suddenly, I had world class 5G infrastructure at my fingertips.*** *The Testbed let me generate a realistic smart grid traffic dataset in days instead of months, accelerating my PhD work and turning simulations into practice-ready results.*

My doctoral research requires realistic 5G traffic traces to evaluate anomaly-detection and self-healing mechanisms. The IEEE 5G/6G Innovation Testbed gave me exactly that: authentic gNB/UE infrastructure and full-stack core networking, all without the prohibitive cost and logistics of building my own lab. Because the Testbed mirrors real-world deployments, I could generate multi-scenario datasets and validate my algorithms under production-grade latency and throughput. ***In short, the Testbed transformed my simulations into publishable, practice-ready results and accelerated the completion of a core chapter of my PhD****.*

I believe that the testbed can be a very valuable tool for post-grad students who are interested in 5G and 6G networks and applications. It opens the door for research topics and results that are very hard to achieve without it."

Remah Younisse
Doctoral Student
Princess Sumaya University for Technology

Princess Sumaya جامعة الأميرة سمية للتكنولوجيا
University
for Technology

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Testimonial: Universidad de las Fuerzas Armadas

ESPE (Armed Forces University, Ecuador)

"Our university currently lacks a dedicated 5G laboratory and the necessary infrastructure to support hands-on learning and experimentation with 5G and emerging 6G technologies. The IEEE 5G/6G Testbed presents a valuable opportunity to bridge this gap by offering remote access to a scalable, real-world testbed environment. ***This access enables our students to actively explore advanced wireless communication technologies and engage in Capstone and research projects focused on areas such as network slicing, IoT connectivity, ultra-low latency applications, smart city infrastructure, and more.****"*

"Initially, the software setup was challenging due to the novelty of the virtualization environment. However, with the valuable support of the team, Naresh, Brad, and Patrick, we are now gaining a new perspective on how to contribute to global innovation in next-generation networks and develop essential skills for future careers in wireless communications."

Daniel Altamirano Carrillo
Universidad de las Fuerzas Armadas ESPE

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Testimonial: Abraham Fapojuwo

University of Calgary

"My research group subscribed to the IEEE 5G/6G Innovation Testbed to ***implement, test, and evaluate the performance of our proposed inter-slice and intra-slice dynamic resource allocation algorithms under realistic network conditions.*** *I am very pleased with the onboarding process, which was swift. The Testbed team provided detailed information about its capabilities and made an effort to understand my requirements.* ***Based on our experience so far, the IEEE Testbed is meeting our expectations.****"*

"I am also very satisfied with the ongoing support provided to my group while using the testbed. I want to thank Naresh and the product team for their almost instantaneous responses to my questions and those of my group members. ***I highly recommend the IEEE 5G/6G Innovation Testbed to researchers working in 5G/6G technologies.****"*

Abraham Fapojuwo
University of Calgary

UNIVERSITY OF CALGARY

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Testimonial: Nim Cheung

Subscriber, AIQUANTA

“At AIQUANTA, we work with our partners in exploring various wireless IoT applications. The 5G/6G Future Network Testbed is ***an important tool for anyone working in the field of 5G/6G application development.*** *Its powerful simulation capabilities make it an indispensable resource for designing and optimizing wireless networks under realistic conditions.*

The expert support team offers unrivaled support, ensuring that users can leverage the testbed's full potential. I am impressed by the team’s capability in resolving complex technical issues. Team members are always ready to help. With their support, we can focus on our development work.”

Nim Cheung
AIQUANTA

AIQUANTA

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