NPS-Qualcomm Cooperative Research and Development Agreement

AT A GLANCE

WHAT'S INVOLVED?

As part of a Limited Purpose Cooperative Research and Development Agreement (LP-CRADA), NPS will work with Qualcomm Technologies scientists and engineers to understand potential military applications of next-generation technologies.

WHICH TECHNOLOGIES WILL BE TESTED?

Qualcomm Technologies will provide proprietary software, hardware, and development kits to NPS for experimentation, assessment, and evaluation:

- The **Qualcomm® RB5 robotics platform** and **Qualcomm® RB6 robotics platform** are equipped with 5G wireless connectivity and artificial intelligence (AI)/machine learning capabilities.
- The **Qualcomm® Cloud AI 100 hardware platform** is designed to accelerate AI inference – the process of using a trained neural network model to make a prediction – and make edge computing much faster and more efficient.
- The **Snapdragon® 8 mobile hardware development kit (HDK)** allows for customization of the Snapdragon hardware to support the needs of the mission and of the end user.

MORE INFORMATION

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The Limited Purpose Cooperative Research and Development Agreement (LP-CRADA) does not constitute endorsement of Qualcomm Technologies or its products and services by the Naval Postgraduate School, the Department of the Navy, or the Department of Defense.

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WORKING TOGETHER TO EXPERIMENT AND INNOVATE

The Naval Postgraduate School (NPS) is joining forces with Qualcomm Technologies in a strategic partnership that will focus on emerging disruptive technologies and their potential applications for the U.S. Navy and U.S. Marine Corps. This agreement will combine the extraordinary talent and unique capabilities of two California institutions – both renowned for their relentless focus on results – into a united problem-solving enterprise. NPS and Qualcomm Technologies will explore cutting-edge technologies and develop potential solutions to some of the most pressing and complex military challenges. This union brings together some of the world's brightest military thinkers and the exceptional Qualcomm Technologies scientists and engineers accelerating technological discovery and, ultimately, the superiority of our Navy, Marine Corps, and joint force.

NPS will work with Qualcomm to understand the capabilities, benefits and limitations of select platforms and technology and to determine potential applications for the U.S. Navy and U.S. Marine Corps.

RESEARCH AREAS

This partnership will provide NPS project teams with an opportunity to experiment with the state-of-the-art Qualcomm® Robotics platforms and Qualcomm® Cloud AI hardware and development kits. Students at the NPS campus in Monterey – and elsewhere in the Naval Education Enterprise – will join researchers at NPS and within the larger Naval Research and Development Establishment to conduct experiments. Then, they will demonstrate prototypes at unique facilities such as the 5G-enabled Sea Land Air Military Research (SLAMR) laboratory, located along Monterey Bay, and the Joint Interagency Field Experimentation site at Camp Roberts, an Army National Guard base near Paso Robles, California – innovating at the speed of cooperation.