



NPS-MICROSOFT COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENT (CRADA)

AT A GLANCE

WHAT'S INVOLVED?

As part of a Cooperative Research and Development Agreement (CRADA), NPS will work with Microsoft to explore technology solutions to critical Navy and Marine Corps needs.

WHAT IS A CRADA?

The Cooperative Research and Development Agreement (CRADA) provides a legal framework to explore technologies and applications to enhance education and research solutions to operational problems. The CRADA enables the professional exchange of ideas with NPS students and faculty in collaboration with the fleet and operational forces. CRADA partners can provide personnel, funds, services, facilities, equipment or other resources to conduct specific research efforts that are consistent with the mission of NPS.

HOW ARE CRADAs BENEFICIAL?

Collaboration under a CRADA provides NPS and industry partners with the opportunity to engage in joint research and learn from each other. Mutual benefits include access to labs, expertise, capabilities and technologies to foster innovation; new products, processes and intellectual property (IP) applicable to the NPS mission and commercial goals; and access to NPS IP resulting from sponsored research activities.

MORE INFORMATION

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



A JOINT ENDEAVOR WITH A UNIQUE MISSION AND VISION

The Naval Postgraduate School (NPS) is teaming up with Microsoft to explore how rapidly evolving commercial technologies can solve operational challenges faced by the U.S. Navy and U.S. Marine Corps. This strategic collaboration brings together two of the nation's major centers for defense innovation. Together, NPS and Microsoft will explore technology solutions with our brightest leaders, defense scholars, and industry innovators to accelerate the digital future of our Navy, Marine Corps and joint forces.

NPS will work with Microsoft to explore highly complex issues associated with rapidly integrating and adopting new technologies in support of naval warfighting and national security.

RESEARCH AREAS

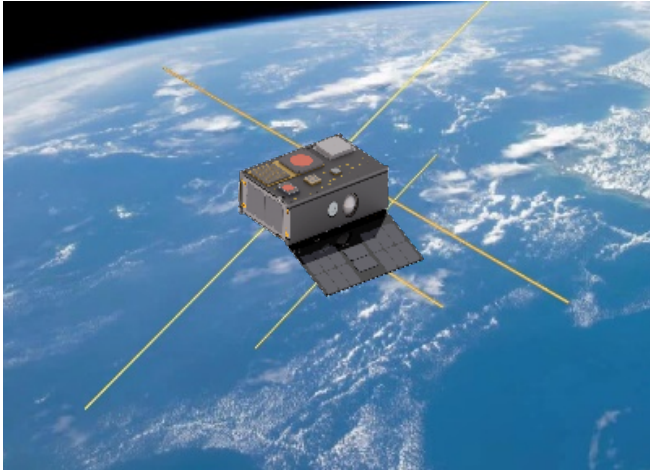
This collaboration combines the operational experience of NPS students and expert faculty with Microsoft's renowned technical expertise. Joint project teams will research operational uses of cloud-enhanced networks and edge solutions, delivery solutions for education to the fleet, technology applications and leveraging serious gaming, exercising, modeling, and simulation to assist operational commanders in their decision-making processes. Researchers will be able to leverage an innovation lab at the NPS campus in Monterey as well as unique facilities such as the 5G-enabled Sea Land Air Military Research (SLAMR) laboratory, located on the shores of Monterey Bay, and an Army National Guard airfield at Camp Roberts, California.



BRINGING EMERGING TECHNOLOGIES TO THE FLEET

Research is the engine of graduate education. NPS and Microsoft will work side-by-side with the following goals:

- Collaborate with and support senior leaders in the military, national security, and industry
- Conduct cooperative research in an NPS innovation lab
- Support ideation, incubation and prototyping in direct support of Fleet missions
- Enable an extensible innovation pipeline for the Navy, Marine Corps and Department of Defense



CLOUD-ENHANCED NETWORK & INTELLIGENT EDGE

Explore recent technical breakthroughs in intelligent edge computing solutions and cloud-enhanced networks, as well as how the Naval forces can leverage these developments for advantage.



DEVELOPING THE NPS "CAMPUS OF THE FUTURE"

Harness recent advances in digital teaching to create an NPS "smart campus" capable of delivering critical knowledge and skills to Sailors and Marines – anytime, anywhere.



GAMING, EXERCISING, MODELING AND SIMULATION (GEMS)

Conduct research into how gaming, exercising, modeling and simulation can improve military capability development and command decision-making in an AI-enabled, all domain battlespace.



DIGITAL ENTERPRISE AND FIELD EXPERIMENTATION

Research and innovate to Fleet lines of effort and research priorities; leverage rapid adoption and integration processes that enable the transition of promising ideas from NPS labs.