



SEA LAND AIR MILITARY RESEARCH INITIATIVE (SLAMR)

AT A GLANCE

WHAT IS SLAMR?

SLAMR is a scientific research initiative that facilitates maritime experiments with emerging technologies in different physical environments. Researchers using SLAMR collaborate on tough defense challenges in the areas of autonomous systems, artificial intelligence, robotics, cybersecurity, 5G telecommunications and more.

WHY THIS LOCATION?

Once a Monterey County wastewater treatment plant, this location offers three large open-air water tanks providing NPS a re-purposed laboratory to conduct research, coursework and experimentation. It also provides NPS faculty and students a key research area within walking distance from the main NPS campus.

WHAT CAN I EXPECT AT THIS FACILITY?

Neighboring residents, or passersby will see low to moderate day-to-day activity with a handful of researchers on site. Once every quarter, there will be increased activity during a week-long experimentation event as we collaborate with many of our military, industry and academic partners.



SLAMR LABORATORY AT NPS

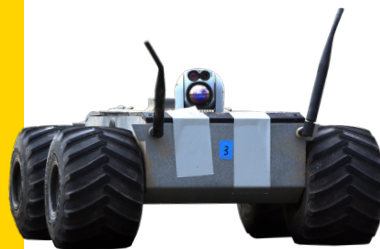
SLAMR was created to address the rising sophistication of potential adversaries. The SLAMR Laboratory exists to give NPS a physical environment to conduct collaborative research, rapid prototyping and experimentation in controlled situations to accelerate and deliver new war-fighting applications giving the U.S. Navy the advantage at sea.



The SLAMR Laboratory is a Navy-owned property that has been cleaned and renovated to be an affordable and sustainable research laboratory. Here researchers can experiment with emerging technologies in water, on land, in the air and in cyberspace simultaneously.

PURPOSE

Provide an all-domain, autonomous systems laboratory for defense-focused projects enabling collaboration on research, rapid prototyping, experimentation and demonstration in support of graduate education, and technology applications.



ACTIVITIES

- Autonomous Vehicle testing
- Robotics experimentation
- High performance computing trials
- Network and Cybersecurity testing

FUTURE ACTIVITIES

NPS, through a partnership with AT&T, will explore how 5G technology can be used to connect ships, unmanned systems and sensors at sea.

- AT&T will install a temporary 5G research node atop a 50-foot pole.
- Supports course and lab work for the development of 5G defense applications.
- NPS' 5G node is short range and transmits only within Navy property.
- Active for short periods only during research and experimentation.

