ONR ABOARD GUIDED MISSILE DESTROYERS

For 80 years, the Office of Naval Research (ONR) has been a leader in advancing American naval warfighter readiness and dominance — leading the development of innovative science and technology for the Navy and Marine Corps. Some of the most important naval platforms and capabilities began as ONR-sponsored research.

ONR's contributions are essential to the advancement and delivery of combat systems, sensors, weapons, materials, robotic and autonomous systems, and numerous other technologies that provide critical capability for the Fleet and Force.



ELECTRONICS

COMMAND AND CONTROL

RUDDERS AND PROPELLERS

NAVIGATION

ELECTRONIC WARFARE

MEDICAL

AIR DEFENSE

WEAPONS

HULL

SONAR

Among these vital platforms is the Arleigh Burke (DDG 51)-class guided-missile destroyer, which is the primary surface combatant of the U.S. Navy. Its many variants and upgrades incorporate numerous ONR advances and innovations, including:

Cutting-edge advanced materials resulting in a stronger, more durable hull, exterior and interior

Enhanced weaponry, command and control, and electronic warfare

Groundbreaking air defense, navigation and electronics

Medical systems addressing warfighter fatigue and improved survival during casualty events.

Office of Naval Research ONR Science & Technology

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