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NPS Scholarship

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2009

Research, Naval Postgraduate School, NPS
Research Supports the Navy

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NPS RESEARCH SUPPORTS THE NAVY

NPS RESEARCH SUPPORTS NAVAL STRATEGIC INITIATIVES

SEASTRIKE

- Railgun Technology
- Free-Electron Laser
- Undersea Warfare Technology
- IR/RF Propagation at Air/Sea Boundary

SEASHIELD

- Ship Shock and Vibration Analysis
- Threat Missile Simulator Validation
- Ballistic Missile Defense

SEABASING

- Littoral Zone Oceanography for Mine Warfare
- Boundary Layer Processes and the Surf Zone

SEA ENTERPRISE

- Acquisition Management
- Transformation in Business Management
- Business Case Analyses
- Cost Estimating and Analysis
- Large-scale Optimization

SEA WARRIOR

- Virtual Technologies and Environments for Training
- ROI of Graduate Education
- Workforce Aging and Retention

SEA TRIAL

- NPS Experimentation Programs

FORCENET

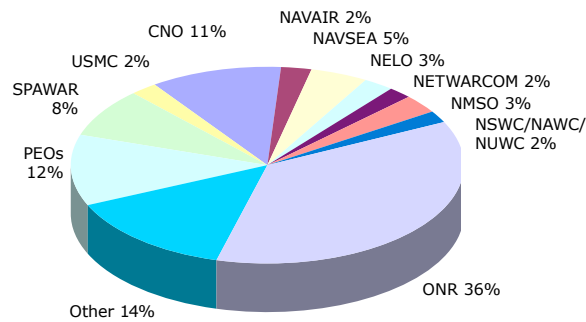
- ForceNet Sea Trials
- Risk Assessment in Software
- Trusted Computing

MARINE CORPS

- Individual Identification: Friend or Foe
- Ultra-Wideband Smart Antennas
- SpectrumShield Counter-IED System
- Distributed Operations Field Experiments

Faculty and student research at the Naval Postgraduate School increases combat effectiveness and operational efficiency of the Navy.

- NPS research directly supports the Navy by solving technical, strategic, tactical, logistical, managerial, acquisition and personnel problems.
- NPS research indirectly supports the Navy as graduates take new knowledge and skills back to their community and apply them to real-world problems.
- NPS research indirectly supports the Navy through faculty availability for consultation and faculty participation in Navy study groups.



FY08 Naval Sponsored Program Research and Education: \$36,196K

RESEARCH IS CONDUCTED IN EVERY ACADEMIC DEPARTMENT, SCHOOL, AND INSTITUTE AT NPS

■ SCHOOL OF INTERNATIONAL GRADUATE STUDIES

- Center for Civil-Military Relations
- National Security Affairs
- Defense Resource Management Institute

■ GRADUATE SCHOOL OF BUSINESS AND PUBLIC POLICY

■ GRADUATE SCHOOL OF ENGINEERING AND APPLIED SCIENCES

- Applied Mathematics
- Oceanography
- Electrical and Computer Engineering
- Physics
- Mechanical and Astronautical Engineering
- Space Systems
- Meteorology
- Systems Engineering

■ GRADUATE SCHOOL OF OPERATIONAL AND INFORMATION SCIENCES

- Computer Science
- Operations Research
- Information Sciences
- Defense Analysis

■ CEBROWSKI INSTITUTE FOR INFORMATION INNOVATION AND SUPERIORITY

■ GLOBAL PUBLIC POLICY ACADEMIC GROUP

■ MOVES INSTITUTE (Modeling, Virtual Environments, and Simulation)

■ NATIONAL SECURITY INSTITUTE

■ WAYNE E. MEYER INSTITUTE OF SYSTEMS ENGINEERING

NAVAL SPONSORED CHAIRS AND PROFESSORSHIPS

- Navy Warfare Development Command Chair for Warfare Innovation
- Chair in Applied Systems Analysis
- Space Systems Chair
- Naval Space Technology Program Chair
- Naval Sea Systems Command Chair of Total Ship Systems Engineering in Combat Systems
- RADM Conrad Chair of Financial Management
- Stanley Arthur Chair of Logistics
- RADM George F. Wagner Chair in Public Management
- Chair of Acquisition Management
- Chair of Expeditionary and Mine Warfare
- Chair of Undersea Warfare
- Office of Naval Research Chair of Innovation

INTEGRATED EDUCATIONAL AND RESEARCH PROGRAMS

- Space Systems
- Total Ship Systems Engineering
- Combat Systems
- Systems Engineering
- Acquisition

INTEGRATED INTERDISCIPLINARY STUDENT PROJECTS

- ASW Littoral in 2025
- Joint Fires 2020
- Systems Analysis, Alternative Architectures for Riverine Warfare, 2010
- Maritime Security

