



## 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

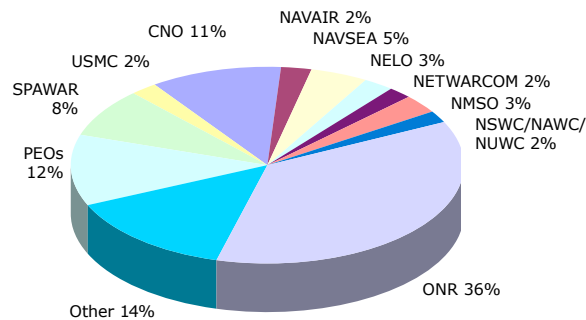
- ForceNet Sea Trials
- Risk Assessment in Software
- Trusted Computing

#### 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

