The Office of Naval Research - Science and Technology in Support of the US Navy and Marine Corps

Dr. Joan S. Cleveland
Deputy Chief Scientist
joan.cleveland@navy.mil

The Naval Research Enterprise

ONR HQ

U.S. NAVAL RESEARCH LABORATORY
NRL

ONR Global

4,000+ People
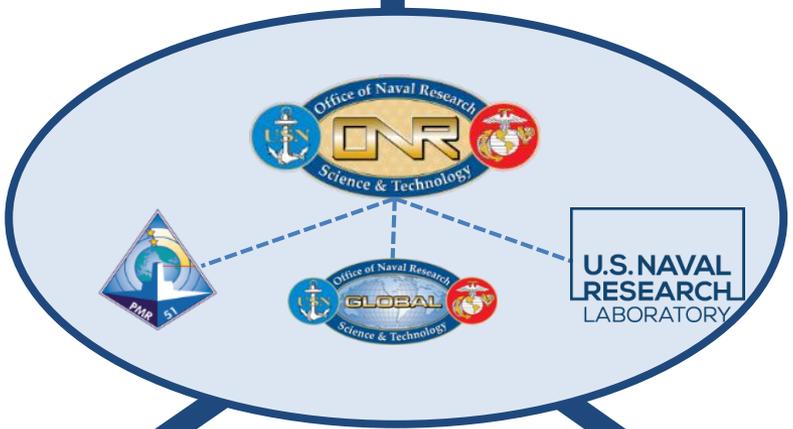*23 Locations*
$2.1B / year
>1,000 Partners

Partnering with the S&T Community

Government

Academia

Industry

1000 Universities/Colleges
Domestic/International

Small/Medium/Large
Companies

ONR Global

Washington, D.C. Region / ONR HQ
ONR Global Arlington
Executive Officer
International S&T Engagement Advisors
FCC/C10F ★★★
N81 ★★★

ONR Global Headquarters London
Commanding Officer
Technical Director
Science Directors

ONR Global Prague
Science Director

ONR Global Tokyo
Science Directors

San Diego
C3F ★★★
AIRFOR ★★★
SURFOR ★★★
I MEF ★★★
UWDC ★
SMWDC ★

Mayport
C4F ★★

Norfolk
FLTFOR ★★★★
SUBFOR ★★★
MARFORCOM ★★★
NAVIFOR ★★★
SPECWAR ★★
NECC ★
NWDC ★

Bahrain
NAVCENT/C5F ★★★

Naples
NAVAF/NAVEUR/
C6F ★★★

Yokosuka
C7F ★★★

Hawaii
PACOM ★★★★
PACFLT ★★★★
MARFORPAC ★★★

Camp LeJeune
II MEF ★★★

India

Okinawa
III MEF ★★★

ONR Global Santiago
Science Director

ONR Global São Paulo
Science Directors

ONR Global Singapore
Sceince Directors

Science Advisors
★ Joint Command
★ Navy Command
★ Marine Corps Command

Science Directors
- London
- Prague
- Tokyo
- Santiago
- Singapore
- Sao Paulo

ONR's Global Offices are the Bridge to International Partnership; Naval R&D Diplomacy in More than 60 Countries

Six S&T Departments

Departments 30 to 35: Links >
> **> All Programs > Divisions > Program Listings**
> **> Contacts**

Code 35

All Programs	⌄
Division 351	›
Division 352	›
Contacts	›

Research Fields of Interest to ONR

Code 30
Expeditionary Warfare & Combating Terrorism

Develops and transitions technologies to enable the Navy-Marine Corps team to win and survive on the battlefield, today and tomorrow

S&T Programs:

Command, Control, Computers and Communication (C4)

Fires

Force Protection

Human Performance Training and Education

Intelligence, Surveillance and Reconnaissance

Logistics

Maneuver

Code 31
C4ISR

Supports research in Math, Electronics, Computer & Information Sciences and their applications in Command & Control, Communications, Cyber, EW, Intelligence, Surveillance and Reconnaissance

S&T Programs:

Applied & Computational Analysis

Communications and Networking

Computational Methods for Decision Making

Electronic Warfare EO/IR Sensors and Sensor Processing

Integrated Topside

Machine Learning, Reasoning and Intelligence

Mathematical Optimization

Precision Navigation & Timekeeping

Code 32
Ocean Battlespace Sensing

Explores S&T in the oceanographic and meteorological observations, modeling/prediction in the battlespace environment; submarine detection/classification; and mine warfare

S&T Programs:

Arctic and Global Prediction

Littoral Geosciences and Optics

Marine Mammals and Biology

Marine Meteorology

Maritime Sensing

Ocean Acoustics

Ocean Engineering & Marine Systems

Physical Oceanography

Research Facilities

Space Environment

Undersea Signal Processing

Code 33
Sea Warfare & Weapons

Develops and delivers technologies that enable superior warfighting and energy capabilities for naval forces, platforms and undersea weaponry

S&T Programs:

Advanced Sea Platforms

Naval Engineering

Acoustic Transduction

Electrochemical Materials

Nanomaterials

Organic Photovoltaics

Propulsion Materials

Structural Materials

Antifouling/Fouling Release Coatings

NDE & Prognostics Sensors

Polymer Matrix Composites

Cellular Materials

Water Desalination and Purification

Corrosion Control

Undersea Weapons

Code 34
Warfighter Performance

Enhances warfighter effectiveness and efficiency through bioengineered and biorobotic systems, medical technologies, improved manpower, personnel, training and system design

S&T Programs:

Applied Instructional Research

Biorobotics

Capable Manpower

Future Capability

Command Decision Making

Force Health Protection

Human-Robot Interaction

Marine Biofouling

Neural Computation

Undersea Medicine

Code 35
Air Warfare & Weapons

Supports the Navy's power projection needs, fostering the technology development of naval aircraft, structures, propulsion, autonomy, energetics, directed energy and electric weapons.

S&T Programs:

Directed Energy

Electromagnetic Railgun

Energetic Materials

Maritime Weapons of Mass Destruction

Science of Autonomy

Turbine Engine Technologies

http://www.onr.navy.mil

Example Research Funding Opportunities at ONR

FY18 Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology N00014-18-S-B001

N00014-18-S-B001 (PDF - 1.17 MB)

N00014-18-S-B001 Amendment 0001 (PDF - 1.16 MB)

Published: September 29, 2017 12:00 AM local Eastern time | Full Proposals will be accepted until September 28, 2018 11:59 PM local Eastern time

FY2018 Historically Black Colleges and Universities/Minority Institutions (HBCU/MI) Program N00014-17-S-F017

N00014-17-S-F017 (PDF - 248.17 KB)

Published: September 28, 2017 12:00 AM local Eastern time | Full Proposals will be accepted until March 16, 2018 11:59 PM local Eastern time | White Papers due no later than January 5, 2018 05:00 PM local Eastern time

Armored Reconnaissance Vehicle (ARV) Advanced Technology Development Future Naval Capability (FNC) N00014-18-S-B002

N00014-18-S-B002 (PDF - 645.5 KB)

N00014-18-S-B002 Amendment 0001 (PDF - 257.67 KB)

Tri-Service University Research Programs

University Research Programs fund promising new research, stimulate innovation, and attract outstanding researchers to naval-relevant research projects

- The **Multidisciplinary University Research Initiative (MURI)** involves teams of researchers investigating high priority topics and opportunities that intersect more than one traditional technical discipline. *Goal: publish FOA in Mar; white papers due Jun; proposals due Oct.*

- The **Defense University Research Instrumentation Program (DURIP)** supports university research infrastructure essential to high-quality naval-relevant research. *Goal: publish FOA in Mar; proposals due in Jul.*

- The **Presidential Early Career Award for Scientists & Engineers (PECASE)** recognizes and honors extraordinary achievements of young professionals at the outset of their independent research careers in S&T. *White House announces honorees.*

- The **Vannevar Bush Science & Engineering Faculty Fellowship (VBFF)** provides extensive, long-term financial support to distinguished university faculty and staff scientists and engineers to conduct unclassified, basic research on topics of interest to DoD. *Goal: publish FOA in Jun; proposals due in Dec. or Jan.*

ONR Young Investigator Program

- Purpose: support the best and brightest early-career academic researchers whose scientific pursuits show outstanding promise for supporting the Department of the Navy, while also promoting their professional development. *Goal: publish FOA in May; proposals due in Jun.*

Successful Candidates

- Contact ONR Program Officer before submitting proposal.
  - PO comment: *"if only they would have contacted me first – this would have been a great proposal!!"*
- Try to understand PO's portfolio / interests.
- Review ONR website; become familiar with Navy terminology / where your technology fits.
- A record of publishing in peer reviewed journals.
- Strong letter of support from University and/or Department (for Young Investigator Program).
- A complete curriculum vitae submitted with white paper and/or proposal package.

Thank You!