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

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The Naval Research Enterprise

4,000+ People
23 Locations
$2.1B / year
>1,000 Partners
Partnering with the S&T Community

Government

Academia
1000 Universities/Colleges
Domestic/International

Industry
Small/Medium/Large Companies
ONR Global

ONR’s Global Offices are the Bridge to International Partnership; Naval R&D Diplomacy in More than 60 Countries
# Research Fields of Interest to ONR

## Code 31
### Information, Cyber and Spectrum Superiority
- Supports research in Math, Electronics, Computer & Information Sciences and their applications in Command & Control, Communications, Cyber, EW, Intelligence, Surveillance and Reconnaissance
- **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 & Expeditionary Access
- Explores S&T in the oceanographic and meteorological observations, modeling/prediction in the battlespace environment; submarine detection/classification; and mine warfare
- **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
### Mission Capable, Persistent & Survivable Naval Platforms
- Develops and delivers technologies that enable superior warfighting and energy capabilities for naval forces, platforms and undersea weaponry
- **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
- **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
### Aviation, Force Projection and Integrated Defense
- Supports the Navy's power projection needs, fostering the technology development of naval aircraft, structures, propulsion, autonomy, energetics, directed energy and electric weapons.
- **Directed Energy**
- **Electromagnetic Railgun**
- **Energetic Materials**
- **Maritime Weapons of Mass Destruction**
- **Science of Autonomy**
- **Turbine Engine Technologies**
Example Research Funding Opportunities at ONR

Broad Agency Announcements (BAA), Funding Opportunity Announcements (FOA) and Special Program Announcements

The Office of Naval Research (ONR) is constantly looking for innovative scientific and technological solutions to address current and future Navy and Marine Corps requirements. We want to do business with educational institutions, nonprofit and for-profit organizations with ground-breaking ideas, pioneering scientific research and novel technology developments. The following list includes currently active broad agency announcements (BAAs) and funding opportunity announcements (FOAs) – each announcement provides technical and contracting points of reference.

Required: All BAAs incorporate a standardized template for the submission of technical and cost proposals for all contract awards. Guidance and assistance in completing the form and spreadsheet can be obtained from points of contact provided in the BAA. Download the forms.

Conflicts of Interest: To ensure fairness in the consideration of proposals, ONR has implemented policies to protect against organizational conflicts of interest.

FY19 Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology N00014-19-S-B001

N00014-19-S-B001 (PDF - 397.05 KB)
N00014-19-S-B001 Amendment 0001 (PDF - 402.82 KB)
N00014-19-S-B001 Amendment 0002 (PDF - 368.27 KB)

Published: December 21, 2018 12:00 AM local Eastern time | Full Proposals will be accepted until September 30, 2019 11:00 PM local Eastern time

FY2019 Office of Naval Research Historically Black Colleges and Universities/Minority Institutions (HBCU/MI) Program N00014-19-S-F004

N00014-19-S-F004 (PDF - 266.13 KB)

Published: November 2, 2018 12:00 AM local Eastern time | Full Proposals will be accepted until April 10, 2019 11:59 PM local Eastern time | White Papers due no later than January 16, 2019 03:00 PM local Eastern time
Tri-Service University Research Programs

University Research Programs fund promising new research, stimulate innovation, and attract outstanding researchers to naval-relevant research projects; proposals accepted from academic institutions only.

- 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 May; proposals due Sep.*

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

- The **Vannevar Bush Science & Engineering Faculty Fellowship (VBFF)** (managed by Office of the Under Secretary of Defense, Basic Research Office) provides extensive, long-term financial support to distinguished university faculty and staff scientists and engineers to conduct unclassified, basic research/“blue sky” on topics of interest to DoD. *Goal: publish FOA in Jun; proposals due in Dec. or Jan.*
ONR Young Investigator Program (YIP)

• 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 Mar; proposals due in Jun.*

**Successful Candidates**

• Contact ONR Program Officer before submitting proposal.
  – PO comment: “if only the researcher would have contacted me first – this would have been a great proposal!!”

• Research the Program’s / Program Officer’s research interests and portfolio.

• Become familiar with Navy terminology & where your technology fits by reviewing the ONR website, attending national conferences, asking questions.

• Show a record of publishing in peer-reviewed journals.

• Include a strong letter of support from University and/or Department (required for Young Investigator Program).

• Include a complete curriculum vitae with white paper and/or proposal package.
Thank You!

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