



# Office of Naval Research: Organization and Funding Opportunities

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# About the Office of Naval Research (ONR)

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- The Department of the Navy's S & T Provider.
- Coordinate, execute, and promote the S & T programs of the U.S. Navy and Marine Corps.
- Founded in 1946.
- The Naval S & T Strategic Plan describes how ONR sponsors scientific research that will enable the future operational concepts of the U. S. Navy and Marine Corps.
- ONR's six S & T Departments coordinate and execute the research investment strategy outlined in the Naval S & T Strategic Plan.



Latest version 1 Sept. 2011

# ONR's Six S & T Departments



- Code 30: Expeditionary Maneuver Warfare & Combating Terrorism
  - Develops and transitions technologies to enable the Navy-Marine Corps team to win and survive on the battlefield.
- Code 31: Command, Control Communications, Computers, Intelligence, Surveillance, and Reconnaissance
  - Focus on experimental and theoretical research and technologies in these areas.
- Code 32: Ocean Battlespace Sensing
  - Explores S & T in the areas of oceanographic and meteorological observations, modeling and prediction in the battlespace environment; submarine detection and classification (anti-submarine warfare); and mine warfare applications for detecting and neutralizing mines in both the ocean and littoral environment.
- Code 33: Sea Warfare & Weapons
  - Develops and delivers technologies that enable superior warfighting and energy capabilities for naval forces, platforms, and undersea weaponry.
- Code 34: Warfighter Performance
  - Enhances warfighter effectiveness and efficiency through bioengineered and biorobotic systems, medical technologies, improved manpower, personnel, training and system design.
- Code 35: Naval Air Warfare and Weapons
  - Supports the Navy's power projection needs, fostering the technology development of naval aircraft, structures, propulsion, autonomy, energetics, directed energy and electric weapons.



# Funding Opportunities

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- **Broad Agency Announcements (BAAs)**
  - R&D opportunities for non-governmental organizations. Usually also advertised on fedbizops.
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- **University Research Initiatives**
  - Defense University Research Instrumentation Program (DURIP)
  - Multidisciplinary University Research Initiative (MURI)
- **National Ocean Partnership Program (NOPP)**
  - ONR Code 322 participates in NOPP
- **Faculty Development**
  - Young Investigator Program (YIP)
  - Presidential Early Career Award for Scientists and Engineers (PECASE)
  - Education/Outreach efforts aimed at students, postdocs, faculty
- **ONR Global** –(foreign collaborations, conferences, etc)
- **Small Business Innovation Research (SBIR) Program / Small Business Technology Transfer (STTR) Program**
  - Solicitations for small businesses; STTR requires non-profit research partner so universities are eligible



# ONR Proposal Development

1. Plan early, gather information
  - Which ONR program is best for you?
  - Connect with ONR Program Manager
    - Is your research relevant to their program?
    - Is funding available? Which solicitation?
    - Process and timing
      - Pre-proposal – due date, how to submit and to whom?
      - Full proposal – due date, how to submit?

# ONR Proposal Development

## 2. Read the Solicitation!

- Are you eligible? Some BAA's/RFA's are for certain applicants, e.g., YIP
- Note due dates, and allow for internal processing at your institution
- Note text format –font size, line spacing, margins
  - If its hard to read, it may not fare well
- Note document format instructions (and follow them!) - page # limit, cover page, proposal sections, budget maximum, etc
  - If you have questions, contact person noted in BAA or the PO
- Recombinant DNA, vertebrate animals and human use studies require additional documentation



# ONR Proposal Development

## 3. Understand the evaluation criteria!

- Do not omit any requested information
- In most cases, the technical proposal isn't the only important component
- Talk to the program officer if you have questions

# ONR General BAA: Proposal Development Process

- Pre-proposals/planning letters & discussion with Program Officer in Spring-Summer preceding start of FY (October).
  - Code 32 generally has a formal call for planning letters in the Spring with invitations for full proposal submission in Summer.
- E-mail or phone call program officer(s) first.
- A pre-proposal (planning letter, white paper) generally advised
- Proposals – generally only after discussion with Program Officer
- Academic institutions, non-profits, and corporations: Submit in response to ONR's Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology  
ONRBAA 15-001
  - <http://www.onr.navy.mil/~media/Files/Funding-Announcements/BAA/2015/15-001.ashx>
  - Appropriate for grants or contracts
  - Valid until 30 Sept 2015



# University Research Initiatives

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## *DURIP - Defense University Research Instrumentation Program*

- Funds the acquisition of major research equipment to augment current, or develop new research capabilities in support of DoD-relevant research
- Published annually
- Can request \$50k to \$1M, but most awards are in the \$100-400K range.
- <http://www.arl.army.mil/www/default.cfm?page=8>
- 2015 proposals due 11/17/14 @ 4:00 PM

# University Research Initiative



## MURI – Multidisciplinary Research Program of the University Research Initiative

- Supports teams of researchers investigating multi-disciplinary topics
  - Can be one or multiple universities
  - Different research topics specified by ONR/ARO/AFOSR each year
    - 23. Air-Sea Interaction and RF Propagation in Maritime Atmospheric Boundary Layers
    - 24. Hydrodynamics of Non-traditional Propulsion
  - Solicitation published annually.
  - Fundamental research
  - Awards typically 3 years with 2 additional option years
  - Funding levels: \$1.5M per year, per topic
  - <http://www.onr.navy.mil/~media/Files/Funding-Announcements/BAA/2013/13-022.ashx>
  - White papers due 10/15/13.



# National Ocean Partnership Program (NOPP)

- ONR Code 322, the Ocean, Atmosphere and Space Research Division, participates in NOPP
- <http://www.onr.navy.mil/Science-Technology/Departments/Code-32/All-Programs/Atmosphere-Research-322/NOPP.aspx> and <http://www.nopp.org/> for more information

# Faculty Development

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## *YIP – Young Investigator Program*

- Awarded to academic researchers (U.S. citizens or permanent residents) who started their 1<sup>st</sup> or 2<sup>nd</sup> full-time, tenure-track-equivalent appointment within the past 5 years.
- Awards: \$170k per year, 3 years, with possibility of additional support for capital equipment.
- *Important to talk to program officer to make sure your idea is relevant and that it's the right time in your career to apply.*

# Faculty Development

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## *PECASE – Presidential Early Career Award for Scientists and Engineers*

- Highest honor bestowed by the U.S. government on outstanding scientists and engineers beginning their independent careers.
- Individual must be a U.S. citizen or permanent resident
- Nominated by ONR/ARO/AFOSR program officers. Call for nominations generally in November.
- 5 year award at \$200K per year

# Educational Programs

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- ONR has several student and faculty programs, typically aimed at summer research in a Navy laboratory, or a sabbatical.
- Faculty and/or student works with a Navy scientist at Navy lab. Must be US Citizen/legal permanent resident
- See link: [www.onr.navy.mil/Education-Outreach.aspx](http://www.onr.navy.mil/Education-Outreach.aspx)
- Excellent way to learn first-hand about Navy research interest areas

# Educational Programs

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- ONR also funds STEM proposals for K-12 and Higher Education

<http://www.onr.navy.mil/~media/Files/Funding-Announcements/BAA/2014/14-002.ashx>

- Aim is to fund R&D on STEM education

# ONR Global

- ONR has offices in the London, Prague, Tokyo, Singapore and Santiago <http://www.onr.navy.mil/About-ONR/Locations.aspx>
- Can support foreign conferences (<http://www.onr.navy.mil/Science-Technology/ONR-Global/funding-opportunities/conference-support-program.aspx>)
- Can support the visit of a foreign scientists to a US lab (their expenses) <http://www.onr.navy.mil/Science-Technology/ONR-Global/funding-opportunities/Visiting-Scientist-Program.aspx>
- Can provide limited research support to the foreign partner of a new US-international collaboration <http://www.onr.navy.mil/Science-Technology/ONR-Global/funding-opportunities/NICOP.aspx>



# SBIR and STTR

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**SBIR** – *Small Business Innovation Research Program*

**STTR** – *Small Business Technology Transfer Program*

- Two separate programs
- Research focused on development of dual-use technologies (military and private)
- Participants must submit proposal for work on a posted topic. Topics developed each year by DOD components.
- Small companies are <500 employees
- STTR must partner with a non-profit research institute, university or Federally funded R&D center.
- More information at
  - [www.onr.navy.mil/Science-Technology/Directorates/Transition/SBIR-STTR.aspx](http://www.onr.navy.mil/Science-Technology/Directorates/Transition/SBIR-STTR.aspx)
  - [www.navysbir.com](http://www.navysbir.com)
  - [www.dodsbir.net](http://www.dodsbir.net)

# Important Links

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- ONR home page
  - [www.onr.navy.mil](http://www.onr.navy.mil)
- Proposal submission
  - [www.grants.gov](http://www.grants.gov)
- Broad Agency Announcements
  - [www.onr.navy.mil](http://www.onr.navy.mil) “Home” » Contracts & Grants » Funding Opportunities » Broad Agency Announcements
- SBIR/STTR
  - DoD SBIR: [www.dodsbir.net](http://www.dodsbir.net)
  - Navy SBIR: [www.navysbir.com](http://www.navysbir.com)
- Naval Science and Technology Strategic Plan
  - [www.onr.navy.mil](http://www.onr.navy.mil) “Home” » About ONR » Naval Science & Technology Strategic Plan