Supports the Navy and Marine Corp's air warfare and weaponry needs, fostering technology development of naval aviation platforms.

For more information, please contact:

Office of Naval Research
ONR Code 35
875 N. Randolph Street
Arlington, Virginia 22203-1995

Aviation, Force Projection and Integrated Defense

Office of Naval Research Code 35
Dr. Doug Blake, Department Head

How to Submit

Submit white papers, QUAD charts and full proposals for contracts to this email address: onrcode35research.fct@navy.mil

Follow instructions within BAA for submission of grant proposals to grants.gov website.

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited. DCHA: 43-6036-19

Sea-Based Aviation
**Division 351**

**Aerospace Science Research**

This division is structured into three major categories: air platforms, kinetic weapons and directed energy weapons. These areas directly support Augmented Warfighter, Operational Endurance, Integrated/Distributed Force, Sensing & Sense Making and the Scalable Lethality priorities. In support of these priorities, the division funds basic and early applied research in the following areas:

- Aerodynamics
- Airframe Structures and Materials
- Directed Energy Weapons: Counter Directed Energy Weapons and High Energy Lasers
- Directed Energy Weapons: High Power Microwaves
- Directed Energy Weapons: Ultra Short Pulse Lasers and Atmospheric Characterization
- Energetic Materials
- Flight Dynamics and Control
- Hypersonic Aerodynamics, Heat Transfer and Materials
- Jet Noise Reduction
- Power, Propulsion and Thermal Management
- Science of Autonomy

Contact Information:
Dr. Knox Millsaps, Division Director
knox.millsaps@navy.mil

**Division 352**

**Air Warfare and Naval Weapons Applications**

The Air Warfare and Naval Weapons Applications Division sponsors naval-unique applied research, advanced technology development, and advanced component and prototypes aligned with current and Future Naval Capability (FNC) gaps and Innovative Naval Prototypes (INPs).

Research concentration areas include:

- Advanced and Hypervelocity Gun Systems and Projectiles
- Aircraft Survivability
- Directed Energy Weapons
- Directed Energy Weapons: Ultra Short Pulse Lasers and Atmospheric Characterization
- Electromagnetic Railgun
- Structural Management and Repair
- Missile Technology
- Warhead Technology

Contact Information:
CDR Anton Orr, Division Director
anton.orr@navy.mil

**Small Business Innovation Research and Special Programs**

Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR)

Through the Department of the Navy’s Small Business Innovation Research (SBIR) Program, small businesses of 500 people or less have the opportunity to address naval needs in more than 30 science and technology areas. SBIR provides the fleet with innovative advances in technology developed by small firms. SBIR participants benefit both from program awards as well as the further development and commercialization of the resulting products.

Department of the Navy (DoN) Rapid Innovation Fund (RIF)

The Department of the Navy (DoN) Rapid Innovation Fund (RIF) is administered by the Office of the Secretary of Defense (OSD). It is a technology transition program that allows the military to collaborate with small businesses to provide innovative technologies that can be rapidly inserted into acquisition programs that meet specific defense requirements.

Navy Technology Transfer

Navy technology transfer is the business of transferring technology originally developed by the Navy to other government organizations, government laboratories, government contractors or commercial enterprises. Emphasis is usually placed on the transfer of Navy developed technology to commercial enterprises to strengthen the U.S. industrial base. Another aspect of technology transfer is the transfer and acceptance of commercial off-the-shelf (COTS) technology for government use to reduce the cost of items purchased by the federal government.

Contact Information:
Mr. Robert Smith, Division Director
robert.l.smith6@navy.mil

---

Image showing naval aircraft and personnel.