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## ALL PROGRAMS Department Programs

### Aerospace Science Research



The Aerospace Research Division focuses on strike technology. Basic and applied research projects include high-energy lasers, hypersonics, rotorcraft technology, advanced propulsion naval air and surface weaponry, and naval aircraft that could provide transformational capabilities for the Navy After Next.

[Advanced Aerospace Propulsion](#)

[Counter Directed Energy](#)

[High-Energy Dense Oxidizers](#)

[Jet Noise Reduction](#)

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[Unmanned Air Systems](#)

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[Science of Autonomy](#)

[Combat Safe Insensitive Munitions](#)

[High-Density Reactive Materials](#)

[Intelligent Autonomy](#)

[Maritime WMD Detection](#)

[Turbine Engines](#)

### Air Warfare and Naval Weapons Applications



Naval unique or essential projects in this division are involved with applied research and advanced technology aligned with current and future naval capability gaps and innovative naval prototypes.

[Air Platforms Safety](#)

[Directed Energy](#)

[Enhanced Weapons Systems](#)

[HELO](#)

[Applied Electromagnetics](#)

[Discriminate Terminal Guidance](#)

[Free Electron Laser](#)

[Increased Capabilities](#)

[Autonomy for Collaborating Systems](#)

[Electromagnetic Railgun](#)

[Future Naval Capabilities](#)

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