

johns hopkins applied physics lab address

johns hopkins applied physics lab address is a crucial piece of information for anyone looking to visit or learn more about this prestigious institution. The Johns Hopkins Applied Physics Laboratory (APL) is known for its cutting-edge research and development in various fields, including national defense, space exploration, and biomedical engineering. This article delves into the specifics of the APL's location, the significance of its address, and what you can expect when reaching out or visiting. Additionally, we will cover the history of the lab, its major contributions to science and technology, and provide practical information for prospective visitors.

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Introduction to Johns Hopkins Applied Physics Lab

The Johns Hopkins Applied Physics Laboratory is a division of Johns Hopkins University located in Laurel, Maryland. Established in 1942, APL was designed to support the U.S. Navy during World War II. Since then, it has expanded its research portfolio significantly, addressing a wide range of scientific fields and engineering challenges. APL operates at the intersection of academia and government, contributing to national security, space science, and healthcare technologies.

The lab employs a diverse workforce of scientists, engineers, and professionals dedicated to solving complex problems through innovative solutions. With a strong focus on applied research, APL is often involved in projects with immediate practical applications, making it a cornerstone institution for both academic and

governmental advancements.

Location and Address Details

The precise address of the Johns Hopkins Applied Physics Lab is:

Johns Hopkins University Applied Physics Laboratory

11100 Johns Hopkins Road

Laurel, MD 20723

This location is strategically situated between Washington, D.C., and Baltimore, making it accessible for collaboration with various governmental and military institutions. The lab spans over 600 acres, providing ample space for research facilities, offices, and specialized laboratories.

Accessibility and Transportation

Getting to the APL involves various transportation options. Visitors can utilize public transportation, personal vehicles, or even ridesharing services. Here are some details on accessibility:

- **Public Transport:** The lab is accessible via public transit, with nearby bus routes connecting to major metro stations.
- **Driving:** For those driving, the location is conveniently off major highways, making it easy to reach from both Washington D.C. and Baltimore.
- **Parking:** Ample parking is available for visitors, but it is advisable to check in advance for any specific requirements.

Significance of the APL Address

The address of the Johns Hopkins Applied Physics Lab is more than just a location; it symbolizes a hub of innovation and advanced research. The lab's strategic location allows it to collaborate effectively with federal agencies, military branches, and other research institutions. This collaboration fosters an environment where groundbreaking technologies and scientific advancements can thrive.

Impact on Local and National Levels

The APL's contributions have significant implications not only for local communities but also for national defense and scientific research. The lab's work in missile defense systems, space exploration, and healthcare innovations showcases its vital role in enhancing the security and well-being of the nation.

History and Contributions of APL

Established during a time of global conflict, the Johns Hopkins Applied Physics Laboratory has a rich history marked by innovation and accomplishment. Initially focused on supporting military operations during World War II, APL has since expanded its research to include a wide range of disciplines.

Key Milestones in APL's History

Over the decades, APL has achieved numerous milestones that highlight its importance in research and technology. Some key milestones include:

- **1940s:** Development of sonar and radar technologies during World War II.
- **1960s:** Contributions to the Apollo lunar program, including guidance and control systems.
- **1980s:** Advancements in missile defense technologies, shaping the nation's defense strategy.
- **2000s:** Innovations in biomedical engineering, including research on medical devices and systems.

These milestones reflect APL's commitment to addressing complex challenges through applied science and engineering.

Visiting the Johns Hopkins Applied Physics Lab

For those interested in visiting the APL, whether for research collaboration, job opportunities, or educational purposes, there are several important considerations to be aware of.

Visitor Guidelines

When planning a visit, it is essential to follow the lab's visitor guidelines to ensure a smooth experience:

- **Scheduling:** Visitors are encouraged to schedule their visits in advance, especially for tours or meetings.
- **Identification:** Valid identification is required upon entering the facility. Ensure you have the necessary documents.
- **Security Procedures:** Be prepared for security procedures, including potential screenings and check-ins.

Educational Opportunities

APL often engages with educational institutions, offering opportunities for students and researchers to learn more about its work. Workshops, lectures, and internships are among the programs available to those interested in the STEM fields.

Conclusion

The address of the Johns Hopkins Applied Physics Laboratory represents much more than a physical location; it embodies a legacy of innovation and a commitment to addressing some of the world's most pressing challenges. From its historical contributions to modern advancements in technology and science, APL plays a pivotal role in shaping the future. Whether you are a researcher, a student, or simply a curious individual, understanding the significance of the APL address highlights the institution's impact on both national and global scales.

Q: What is the Johns Hopkins Applied Physics Lab known for?

A: The Johns Hopkins Applied Physics Lab is known for its cutting-edge research and development in areas such as national defense, space exploration, and biomedical engineering.

Q: Where is the Johns Hopkins Applied Physics Lab located?

A: The Johns Hopkins Applied Physics Lab is located at 11100 Johns Hopkins Road, Laurel, MD 20723.

Q: How can I visit the Johns Hopkins Applied Physics Lab?

A: Visitors can schedule appointments in advance, bring valid identification, and comply with security procedures to visit the lab.

Q: What are some historical contributions of APL?

A: APL has made significant contributions, including the development of sonar and radar technologies during World War II and advancements in missile defense systems.

Q: What opportunities does APL offer for students?

A: APL offers various educational opportunities such as internships, workshops, and lectures for students interested in STEM fields.

Q: Is there public transportation available to reach APL?

A: Yes, APL is accessible via public transportation, with nearby bus routes connecting to major metro stations.

Q: What kind of research does APL conduct?

A: APL conducts applied research across various fields, including national security, space science, and healthcare innovations.

Q: How does APL collaborate with other institutions?

A: APL collaborates with federal agencies, military branches, and academic institutions to address complex scientific and engineering challenges.

Q: Can I attend public events at APL?

A: APL occasionally hosts public events, lectures, and workshops. It is advisable to check their official announcements for details.

Q: What is the significance of APL's address?

A: The address symbolizes a hub of innovation, facilitating collaboration with governmental and military institutions for research and development.

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