

## **2021 Summer Research Program**

**Who: Rising undergraduate sophomores - seniors**

**When: June 7 - July 31, 2021**

**Where: Delaware State University**

**Stipend provided**

**Hybrid**

### **Research Focus:**

**Quantum sensors can achieve ultrahigh precision in applications ranging from inertial navigation to understanding of human brain and search of dark matter. Following projects at the AQS center are focused on the development of quantum sensors:**

- Cold-atom Raman clock and enhancement of sensitivity via spin squeezing**
- Cold-atom magnetometry and enhanced sensitivity via spin squeezing**
- Spin squeezed atom interferometric gyroscope/accelerometer**
- Coherence time of nitrogen vacancy center diamond and silicon carbide quantum sensors**

**For applications contact Ms. Jones, at [jjones@desu.edu](mailto:jjones@desu.edu)**

**Application Deadline: April 23, 2021**