2021 Summer Research Program

Who: Rising undergraduate sophomores - seniors
When: June 7 - July 31, 2021
Where: Delaware State University
Stipend provided

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

Application Deadline: April 23, 2021