

CSU PHYSICS COLLOQUIUM

“Quantum Diamond Sensors ”

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Monday, Sept. 21st at 4:00pm

Virtual via Zoom (see announcement for link)

Abstract

The nitrogen–vacancy (NV) quantum defect in diamond is a leading modality for magnetic, electrical, temperature, and force sensing with high spatial resolution (nanometers to millimeters) under ambient conditions. This technology has wide-ranging application across the physical and life sciences — from probing magnetic materials to biomedical diagnostics. I will provide an overview of quantum diamond sensors and their diverse applications.

