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Innovating quantum technologies

Special PQSEI Seminar

Quantum Sciences at the Air Force Research Lab's Materials and Manufacturing Directorate

Robert Bedford, AFRL

Wednesday, March 11, 2020, 9:00 – 10:00 a.m., BRK 2001

From quantum materials development, to assistant component development, the integrated photonics and optoelectronics research team at the Air Force Research Laboratory has been attempting to bridge the gap from fundamental science to developed quantum materials for Air Force applications. Although special focus will be on using diamond NV-centers as vector magnetometers, this talk will provide an overview of AFRL and particular work being pursued within the Materials and Manufacturing Directorate (Wright-Patterson AFB, OH).

Dr. Robert Bedford leads the integrated photonics and optoelectronics research team (IPOINT) at the Materials and Manufacturing Directorate. Prior to that, he led the lasers team in the Sensors Directorate (AFRL) investigating semiconductor lasers for a variety of applications.

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