



Contribution ID: 125

Type: **Poster**

Sensitive temperature-dependent spin properties in hBN nanopowders

Tuesday 13 December 2022 18:45 (15 minutes)

This study analyses the temperature-dependent spin and optical properties of hexagonal boron nitride (hBN) nanopowders, which show a complex profile in optically detected magnetic resonance (ODMR) that may be exploited as a sensitive temperature sensor.

Primary author: MENESES, Fernando (The University of Melbourne)

Co-authors: Mr HEALEY, Alexander (The University of Melbourne); Mr ROBERTSON, Islay (RMIT University); Dr TETIENNE, Jean-Philippe (RMIT University); HOLLENBERG, Lloyd; Ms SINGH, Priya (RMIT University); Mr SCHOLTEN, Sam (The University of Melbourne)

Presenter: MENESES, Fernando (The University of Melbourne)

Session Classification: Poster session

Track Classification: PQS2022: PQS: Precision and Quantum Sensing Workshop