

Quantum-enhanced diamond spin sensors

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Spin qubits in the solid state may enable new capabilities in quantum sensing, thanks to the combination of sensitivity and spatial resolution. I will provide an introduction to sensing protocols exploiting quantum coherence and give an overview on frontier applications.

Presenter: FABBRI, Nicole (stituto Nazionale di Ottica del Consiglio Nazionale delle Ricerche (CNR-INO), Italy)