

Talk Title:

Quantum metrology - opportunities for Nitrogen-Vacancies?

Talk Abstract:

The world is experiencing a quantum revolution with astonishing potential for innovation. We present the first commercial turnkey quantum microscope based on NV center technology. It unlocks research potential by enabling magnetic imaging at the nanoscale with unprecedented sensitivity. Here we review the core of the technology and the pathway that brought it from the Quantum Sensing Laboratory at the University of Basel to commercial implementation.

Speaker Bio:

Benjamin Holmes is responsible for customer relationships and liaising with our partners in research. He has over 30 years of commercial experience in international scientific business development and has worked for many dynamic, small, and medium-sized scientific suppliers, including Omicron, Alletra, Asylum Research, and JPK, focusing on Probe Microscopy for materials and life sciences, and in-UHV STM and electron spectroscopy.