

SEMINAR

Prof. John Morton, UCL (UK)



The role of silicon in quantum computing

Date: May 13, 15:00

Place: NFTMC A101

Duration: up to 1 hour



Prof. John Morton is one of the key figures in spin-based quantum technologies, spin defects in semiconductors, and electron spin resonance. He is also a founder of several companies, among them Quantum Motion, dedicated to development of a scalable array of qubits based on the ubiquitous silicon technology. In his talk, John will explore potential role of Silicon in quantum computing, concentrating on cryogenic CMOS circuits and MOS spin qubit arrays capable of implementing versatile quantum computing architectures. He will discuss recent progress at UCL and Quantum Motion, highlighting how silicon could play a major role in the future quantum computing industry.



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