Contribution ID: **7** Type: **not specified**

Combining Spin Qubits and Superconductivity in Quantum Computers

Tuesday, 27 August 2024 09:30 (40 minutes)

In this talk, I argue that utilizing hybrid approaches to quantum computing –that is - combining different qubit implementations into a single platform –could be highly beneficial to building large scale quantum information processors. After a refresher on quantum computation, I review the multitude of hybrid approaches to quantum computing and their place at the Niels Bohr institute, and introduce a novel hybrid material Ge/SiGe spin qubits and PtGeSi superconductors, that offer exciting new avenues into hybrid research.

Presenter: LAWRIE, William