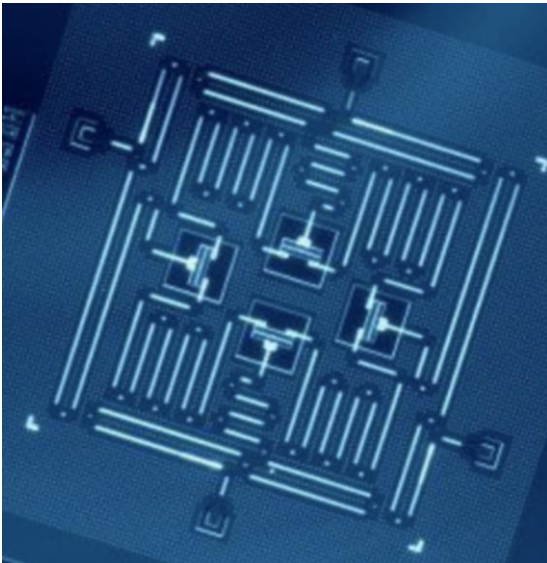




Masters Project in QDev: **Plastic Fantastic Qubit**

A new Masters Project is available in the Center for Quantum Devices to experimentally develop superconducting transmon qubits fabricated on a flexible substrate, kapton. Numerous technical problems in realizing qubits will be addressed if kapton-based qubits can be realized, but it has never been done. Why? No one has tried! We have all the ingredients; someone just needs to dig in and do it. Is that you?

You will learn the physics of superconductors, qubits, low-temperature measurement and the thermal properties of materials at low temperatures. Work with the best equipment in condensed matter physics on a problem that the world cares about. Discuss physics with colleagues, become an experimental scientist. Read more about the experiment, start here: <https://arxiv.org/abs/1905.13641>.



If this sounds interesting, contact **Charles Marcus** (marcus@nbi.dk) or **Morten Kjaergaard** (mkjaergaard@nbi.ku.dk).