



SCALING OF SPIN QUBITS

August 29th 2022



This one-day workshop aims at bringing together scientists from world leading research groups focused on scaling of semiconductor spin qubit arrays.

Scaling to intermediate-scale arrays represents a next big challenge for a spin-based quantum computer, and many areas of research will have to be co-integrated.

Talks will cover the different stages required for a fully functional small-scale spin-based processor, ranging from materials science, to spin qubit characterization and operation, to automated algorithm implementation.

Speakers include:

- **Keynote:** Jason Petta (Princeton University, USA)
- Lars Schreiber (RWTH Aachen University, Germany)
- Natalia Ares (University of Oxford, UK)
- Stephan Philips (TU Delft, Netherlands)
- Leon Camenzind (RIKEN, Japan)
- Philipp Mutter (University of Konstanz, Germany)
- Will Lawrie (University of Copenhagen, Denmark/TU Delft, Netherlands)
- Clément Godfrin (IMEC, Belgium)
- Juan Rojas-Arias (RIKEN, Japan)
- Peter Krogstrup (University of Copenhagen, Denmark)
- Cécile Yu (CEA-IRIG, France)

Venue: Aud-A1-05.01, Dyrølægevej 100, 1870 Frederiksberg, Denmark; and online. The workshop is an all-day event starting at 9:00. Coffee and lunch will be served.

Registration required to attend: <https://indico.nbi.ku.dk/event/1844>