## NCCR SPIN Annual Meeting 2021

Posters

| Presenter | Group | Poster's title |
|---|---|---|
| Jonas Mielke | Burkard | Nuclear Spin Readout in a Cavity-Coupled Hybrid Quantum Dot-Donor System |
| Irina Heinz | Burkard | Crosstalk analysis for single-qubit and two-qubit gates in spin qubit arrays |
| Antonio D'Amico | Charbon | MOSFET noise characterization at cryogenic temperature |
| Hung-Chi Han / Farzan Jazaeri | Charbon | Theoretical Limit of Low Temperature Subthreshold Swing in Field-Effect Transistors |
| Simone Frasca | Charbon | High kinetic inductance technology for spin qubit applications |
| Alberto Ferraris | Fuhrer | Electric field control of topological Weyl semi-metals |
| Felix Schupp | Fuhrer | Improving gate-stacks for hole-spin qubits in silicon FinFETs |
| Konstantinos Tsoukalas | Fuhrer | Reliable contacts to finFET spin qubits |
| Christoph Adam | Ihn / Ensslin | Measurement of entropy in an electrostatically defined quantum dot in GaAs/AlGaAs |
| Petar Tomic | Ihn / Ensslin | Quality of gate-induced 2D hole gases in silicon with 10 nm oxide |
| Wister Huang | Ihn / Ensslin | Time-resolved investigation of graphene quantum dots |
| Fabio Bersano | Ionescu | Fabrication of FD-SOI Single Electron Transistors for spin qubits readout |
| Melina Luethi | Klinovaja | TBA (Josephson junctions based on Ge/Si heterostructures) |
| Bence Hetenyi | Loss | Hole spin qubits in Si FinFETs with fully tunable spin-orbit coupling and sweet spots for charge noise |
| Christoph Adelsberger | Loss | Theory of Hole Spin Qubits in Ge Nanowire Quantum Dots: Effects of Orbital Magnetic Field, Anisotropies, and Strain |
| Ilan Bouquet | Luisier | Preliminary investigation of corner dots coupling in large FinFETs |
| Marcin Kisiel | Meyer | Pendulum AFM experiments with Qdots |
| Remy Pawlak | Meyer | High resolution probe microscopy of molecular structures |
| Yiming Song | Meyer | High resolution probe microscopy of molecular structures |
| Asma Chabane | Moselund | Cryogenic modeling of Si CMOS for quantum computing |
| Theodor Lundberg | Salis | Spin qubit control and characterisation with Qiskit and QCoDeS |
| Fabian Oppliger | Scarlino | High kinetic inductance technology for spin qubit applications |
| Vincent Jouanny | Scarlino | Ultracompact coupled cavity arrays for analog quantum simulation |
| Deepankar Sarmah | Schönenberger | Protecting Rf circuitry with proper low-pass filter |
| Roy Haller | Schönenberger | Phase-dependent microwave response of a graphene Josephson junction |
| Ekaterina al-Tavil | Wallraff | Vertical integration of circuit QED with quantum dots |
| Andreas Kuhlmann | Warburton | Hole spin qubits in Si FinFETs |
| Carmen Recio Valcarce | Wootton | Supporting the Quantum Community in Europe |
| Daniel Miller | Wootton | A graph-theoretical puzzle allowing the quantification of multi-qubit correlations |
| Arianna Nigro | Zardo | Planar heterostructures for quantum dot spin qubits |
| Gerard Gadea | Zardo | Nanowire heterostructures for hole spin qubit |
| Rahel Kaiser | Zumbühl | Optimization of Germanium/Silicon Nanowire Devices |
| Taras Patlatiuk | Zumbühl | Ultrafast Hole Spin Qubit with Gate-Tunable Spin-Orbit Switch Functionality |