

List of posters - Annual Meeting 2023

Poster presenters	Tentative title
Alban Morelle	Coherent hole transport in selective area grown Ge nanowires
Alexei Orekhov	Cross-talk in Gate-based Dispersive Readout
Alicia Ruiz Caridad	Germanium/Silicon nanowire heterostructures for hole spin qubits
Artemiy Burov	Quantum simulation of spin Hamiltonian dynamics
Benedikt Tissot	Efficient High-Fidelity Flying Qubit Shaping
Carlos Egues	Phase driving hole qubits
Deividas Sabonis	Flip-chip-based fast parity readout of a superconducting island
Denis Kurlov	Adiabatic eigenstate deformations and weak integrability breaking of Heisenberg chain
Ekaterina Al-Tavil and Andrés Rosario	3D Integration of semiconductor and superconductor quantum circuits
Eric Jutzi, Vera Weibel, Luigi Ruggiero, Nikunj Sangwan	Ge Quantum Dots and Superconducting Circuits
Fabio Bersano, Eloi Collette, Michele Ghini, Adrian M. Ionescu	Process for tunable multi-gate FD-SOI spin qubits
Felix Schupp	Material stack development for Qubits in MOS
Floris Braakman	Scanning NV magnetometry of FEBID Co nanomagnets
Jann Ungerer, Artem Kononov, Andreas Baumgartner and Christian Schönenberger	Strong Microwave Coupling of a Singlet-Triplet Qubit
Joel Rene Sopera, Santhanu Ramanandan, Alok Rudra	Initial stages of nanowire formation influence the crystalline quality?
Johannes Stengele	Ground State Search Algorithm for Quantum Impurity Systems on an IBM Quantum Computer
Konstantinos Tsoukalas	Limitations of Silicide Contacts for Silicon Spin Qubit Devices
Lisa Sommer	Cryoprobe - high volume cryogenic device characterization for improving spin qubits
Luca Forrer	Quantum device on a cantilever
Melina Luethi	Majorana Bound States in Germanium Josephson Junctions via Phase Control
Miguel Carballido, Simon Svab, Pierre Chevalier Kwon, Rafael Egli and Taras Patlatiuk	Ge/Si nanowire hole spin qubits
Milan Liepelt	Benchmarking progress towards fault-tolerance
Paula Sanchez Almagro, Peter Mueller, Mridula Prathapan	Qubit control electronics/architecture
Petar Tomic	Density of interface traps in silicon from capacitance measurements
Qian Ding and Andreas Schenk	TCAD-based Simulation of Hole Spin Qubits in 5-Gate Si FinFETs: Rabi Frequency and Charge Noise
Rafael Egli	Hyperabrupt SrTiO ₃ Varactors for Sensitive Reflectometry of Quantum Dots
Richard Hess	Trivial Andreev band mimicking topological bulk gap reopening in the non-local conductance of long Rashba nanowires
Simon Geyer, Carlos Dos Santos	Anisotropy of single- and two-qubit gates
Stephen McMillan	Resonant single-shot CNOT in remote double quantum dot spin qubits
Valerii Kozin	Cavity-induced charge transfer in periodic systems: length-gauge formalism