

Quantum Device Fabrication & Characterization Engineer (Research Group Katsaros)

- Full Time (40 h/w)
- Klosterneuburg (Vienna), Austria
- € 44,800* gross/year – Position limited for 4 years (extension t.b.d.)

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Your Responsibilities

The Katsaros group studies spin qubits in two-dimensional Ge heterostructures and in parallel aims to understand whether protected qubits can be realized in hybrid semiconductor-superconductor systems. Currently we are looking for an engineer in order to support our group with developing novel devices and perform basic low temperature electrical measurements.

- Develop spin qubit, Josephson junction and resonator based devices
- Perform basic electrical characterization and microwave measurements
- Take part in group meetings and provide solutions to everyday challenges

Your Profile

- Degree (MSc/PhD) in nanodevices/spin qubits/superconducting circuits
- Proven experience with nanofabrication (electron-beam lithography, electron beam evaporation, dry etching, atomic layer deposition, scanning electron microscopy, atomic force microscopy)
- Knowledge of low temperature transport/microwave measurements
- Basic knowledge of programming (preferentially python)
- Basic knowledge of vacuum technology and cryogenics of advantage
- Interest in participating in the everyday life of a low temperature physics lab
- Excellent command of English (working language)
- Proactive personality with attention to detail and strong problem solving skills
- Team player with the ability to work independently, learn quickly and multi-task

Your benefits

- Education & training
- Cafeteria
- Childcare
- Free shuttle bus
- Multiple health offers
- Pension insurance

We look forward to your application via our [job portal!](#)

* This position comes with possible overpayment depending on education, qualification and work experience. ISTA processes your personal data in accordance with the law. For more information, please refer to www.ista.ac.at/data-protection.