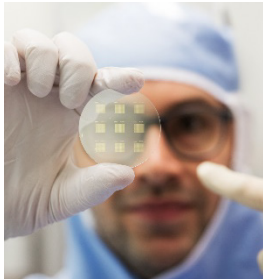


# Electro-Optic Interfaces for Quantum Computing (f/m/d) - 100%

Shape the future of quantum computing at Polariton Technologies



Polariton Technologies is a start-up coming out of ETH Zurich developing cutting-edge devices for optical communications. We are about to launch our first product based on a novel electro-optic modulator. We enable customers to send data with unprecedented speed and quality. The modulators are used in research and industry. Join our team and work closely together with international research partners shaping the future of quantum computing.

## Your job includes

- Design, develop, and test electro-optic interfaces for supercomputing.
- Improve materials and processes to fabricate new devices and operate cryogenic equipment, working closely with process engineers and material scientists.
- Participate to the team's activities, including guiding of students and presenting results at international conferences and in journals.
- Be part of an EU project by participating in international meetings and draft the future of quantum computing systems in collaboration with system architects.

## As an ideal candidate, you have

- Master degree in engineering, applied physics, physics, or similar.
- Experience in simulation and characterization of integrated optics and/or electronics preferred. Good understanding of general concepts in physics, especially in optics.
- Strong communication and interpersonal skills to interface project partners and other third parties.

## Your benefits

- Grow with a dedicated and dynamic team in a start-up work environment
- Work on a cutting-edge project with the interdisciplinary teams of Polariton and the Institute of Electromagnetic Fields, co-supervised by Prof. Leuthold, with the opportunity and option of doing a PhD.
- Develop innovative technologies and new applications.
- Strengthen your technology and communication skills

## Your application

If you are interested in working with us, please send your application (motivation letter, CV without photo) to Wolfgang Heni: [join@polariton.ch](mailto:join@polariton.ch)

Starting time: October 2020 or after negotiation

Location: ETH Zurich, RSA, Säumerstrasse 4, 8803 Rüschlikon