

QUBIG GmbH is a technology company in the field of scientific lasers with a focus on the development and manufacture of laser light modulators as well as suitable driver electronics up to >20GHz. The devices are mainly installed as subcomponents in larger laser systems, with the aim of quickly and precisely controlling the properties of the laser light, such as its frequency, phase, polarisation and position. The application spectrum ranges from fundamental research (physics, chemistry, biology) to industry (laser material processing, medicine, LifeScience microscopy).

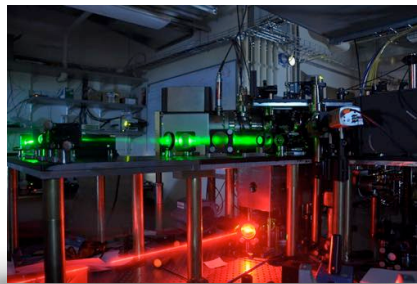
QUBIG has been established from fundamental research and has close contacts with prestigious institutions around the world, especially in the field of ultra-cold quantum gases (AMO), trapped ions and single photons. The company, which is also a state-recognised research facility, combines profound expertise in the areas of laser technology, crystal optics and HF- & HV electronics and is formed by a highly qualified team (PostDocs, PhDs), having in-depth knowledge and many years of experience in various fields of quantum research/technology.

www.qubig.com

For our team in Munich, we are currently looking at the earliest possible date for a full-time

Developer/Engineer in Laser Technology (m/f/d)

Entwickler/Ingenieur für Lasertechnik / -technologie (m/w/d)



Range of tasks:

Conceptualisation, simulation, design, realisation and experimental characterisation of opto-electronic systems for industry and innovative Quantum Technology (QT) applications.

Your profile:

Essential:

- University degree in physics or electrical/mechanical engineering (MSc, PhD) or equivalent
- Profound knowledge and technical understanding of laser technology, optics and opto-mechanical setups
- Very good lab skills (problem solving attitude, allrounder & hands-on mentality, independent working)
- Experience in electronic (computer) control such as:
 - MCU/FPGA control of electronic devices incl. Soft-/Firmware programming **and/or**
 - Design of analog/digital electronic circuits (PCB) for opto-electronic system control

Desirable:

- Experience with miniaturisation of optical setups and micro-positioning of optical elements
- simulation of complex physical (COMSOL, CST) and/or optical (Zemax, OSLO) systems including fiber optics
- Experience in design and testing of digital & analog electronic circuits for RF applications (up to GHz)
- Knowledge in electro- & acousto optics, crystal optics, high-voltage electronics, ultra-short laser pulses
- At least one programming language (e.g. Matlab, Python, C++, Qt)

We offer:

Professional development opportunities in an international and dynamic environment with great potential. You can expect a multitude of challenging, varied tasks, responsibilities and a lot of creative possibilities in a strongly and sustainably growing company. A friendly and supportive atmosphere commonly found in research groups makes it ideal for a transitioning from the lab to industry. A permanent role with attractive contractual terms and working conditions.

Have we inspired your curiosity?

We are looking forward to receiving your full and complete application documents, including your cover letter and your earliest possible starting date. Please send your documents to: hr@qubig.com *

** We are not interested in unsolicited candidate proposals or telephone contacts from recruitment agencies.*