

WISSENSCHAFT UND WIRTSCHAFT IN EINEM JOB GEHT NICHT.

DOCH.

Finden Sie es heraus bei Fraunhofer.

THE FRAUNHOFER INSTITUTE FOR INTEGRATED CIRCUITS IIS, DEVISION ENGINEERING OF ADAPTIVE SYSTEMS EAS IN DRESDEN, GERMANY HAS AN IMMEDIATE OPENING FOR A

RESEARCH ASSOCIATE – QUANTUM COMMUNICATION SOFTWARE

Adaptivity is an essential property for the connected world of tomorrow. Intelligent components can independently recognize changes in their environment or within themselves, assess them and take appropriate action. As business partner, Fraunhofer IIS/EAS develops key technologies for adaptive systems and offers innovative and robust solutions.

In an interdisciplinary team of physicists, nanoelectronics specialists and hardware/software programmers, you will contribute to **building a quantum communication system**. The system employs photons to exchange a secure key, and manipulating the light particles requires **control of technologically advanced components**. In particular, **implementing the key exchange protocols** and **programming the hardware components** will be part of this exciting teamwork. It opens the opportunity to directly participate in the transfer of a quantum technology into a practical application.

What we expect

- Master's degree (or higher) in physics, communication technologies, computer science or a related field
- Software programming experience in Python or C/C++
- Experience in low-level hardware programming is a plus
- Background in quantum communication / quantum computing / quantum mechanics is a plus

What you can expect from us

- Attractive work environment in a highly innovative key industry
- Working in a dedicated and motivated team
- Regular training tailored to your individual needs and the best possible operating equipment
- A cooperative corporate culture
- Work-life balance through e.g. flexible working hours and support services

This is a temporary position. Appointment, remuneration and social security benefits are based on the public-sector collective wage agreement (TVöD). In case of identical qualifications preference will be given to severely disabled candidates. We would like to point out that the chosen job title also includes the third gender. The Fraunhofer-Gesellschaft emphasizes gender-independent professional equality.

Fraunhofer is Europe's largest application-oriented research organization. Our research efforts are geared entirely to people's needs: health, security, communication, energy and the environment. As a result, the work undertaken by our researchers and developers has a significant impact on people's lives. We are creative. We shape technology. We design products. We improve methods and techniques. We open up new vistas.

Have we piqued your interest?

Please apply online with your application in PDF, including cover letter, resume and references, to Sophie Prieß

<https://recruiting.fraunhofer.de/Recruiting/Vacancies/55048/Publication/2/DescriptionPreview?lang=eng>

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