

The chair for security in computer science (Prof. Dr. Claudia Eckert, I20) in the CE department of the School of Computation, Information and Technology (CIT) at the Technical University of Munich, offers an open

PhD Position

in a fixed-term employment (initially for 2 years) - extension is possible.

In close cooperation with the company SAP, the holder of the position will carry out a research and development project on the topic "Future-Proof Crypto-Agility: Bringing Enterprise Software Sustainably Secure and Crypto-Agile in the Post-Quantum Era".

The prerequisite is an above-average university degree in computer science, business informatics or related disciplines.

Applicants should

- have in-depth knowledge of IT security, and
- have very good knowledge in the field of cryptographic paradigms and protocols and preferably already have knowledge of PQC algorithms.
- (Very) good knowledge of at least one programming language (e.g. C/C++, Java, JavaScript, Python) is also expected.
- Applicants should enjoy solving complex theoretical problems and be willing to work scientifically both independently and in a team.
- Experience in the implementation of solutions in the form of working prototypes is an advantage.
- Knowledge of enterprise software such as SAP is desirable. The willingness to initiate the transfer of the developed solutions into the practical implementation in close cooperation with the partner SAP is assumed.
- The willingness to engage in close exchange with the Munich Quanten Valley community, e.g. by participating in their conferences and workshops, is also expected.
- Very good knowledge of the English language is also expected.

A cooperation with related topics of the Fraunhofer Institute AISEC (Applied and Integrated Security) in Garching is gladly supported.

As part of the employment relationship, a scientific qualification with the goal of a doctorate is supported.

The Technical University is striving to increase the proportion of women in its workforce and therefore encourages women in particular to apply. Handicapped applicants will be preferred if equally qualified.

Remuneration is based on TV-L. Part-time employment is generally possible.

Applications should be sent electronically with the usual documents to:

Prof. Dr. Claudia Eckert,

e-mail: claudia.eckert@in.tum.de