



Opportunities
for Talents



The **Technical University of Munich (TUM)** and the **Fraunhofer Institute for Applied and Integrated Security AISEC** jointly invite applications for the position of a

**Full Professor
in »Software & System Security«**

in combination with the

Institute Director at Fraunhofer AISEC

to begin as soon as possible. The position is a W3 Full position (Karlsruher Model).

Scientific environment

The professorship will be assigned to the TUM School of Computation, Information and Technology, Department of Computer Engineering, combined with the position of the institute director at Fraunhofer AISEC.

The **TUM CIT** unites the disciplines of Mathematics, Informatics, and Electrical and Computer Engineering. The research and teaching activities range from theoretical knowledge to its application. In line with our mission statement, we focus across disciplines on the major challenges of our time, such as digital transformation. At the same time, our expertise remains firmly embedded in our core disciplines.

Fraunhofer AISEC supports companies in securing their systems, infrastructures, products and services. For its customers, Fraunhofer AISEC develops high-quality security technologies to increase the reliability, trustworthiness, and tamper-resistance of IT-based systems and products. Strategic partnerships with globally active companies as well as with international universities, in particular the University of Excellence Technical University of Munich, guarantee scientific progress of his work as well as its market-oriented implementation: <https://www.aisec.fraunhofer.de/>

Responsibilities

We seek to appoint an expert in the research area of Software & System Security with some of the following focus areas:

- Secure software engineering: methods and tools
- Secure system engineering, in particular, system software and embedded systems
- Automated analysis of the security of complex software systems
- Risk analysis and security assessment, security metrics
- Security in communication systems
- Secure AI and AI for security
- Privacy-enabling technologies

Teaching responsibilities include courses in the university's bachelor and master programs.

The professorship is associated with the directorship at Fraunhofer AISEC, which includes the scientific, technical, and entrepreneurial control and development of the institute within the Fraunhofer model (<https://www.fraunhofer.de/en/about-fraunhofer/profile-structure/facts-and-figures/finances.html> a key aspect of the Fraunhofer model is the collaboration with industry). In addition to the thematic orientation of the research, you will be involved in project acquisition and management, the transfer of results to industry as well as personnel management – with an emphasis on modern leadership and change processes.

Qualifications

We are looking for candidates with experience in managing larger groups and a track record regarding the acquisition (both from science and industry) and implementation of national and international research and development projects. Excellent achievements in research and teaching in an internationally recognized scientific environment (please see www.tum.de/en/faculty-recruiting-faq/ for further information) are expected. A university degree and an outstanding doctoral degree or equivalent scientific qualification, as well as pedagogical aptitude, are prerequisites. Substantial research experience abroad is expected.

Our Offer

Based on the best international standards and transparent performance criteria, TUM and Fraunhofer AISEC offer a permanent position as Full Professor. The regulations of the TUM Faculty Recruitment and Career System apply.

TUM and Fraunhofer AISEC provide excellent working conditions in a lively scientific community embedded in the vibrant research environment of the Greater Munich Area. The Munich environment is multicultural, with English serving as a common interface for scientific interaction. We also offer attractive and performance-based salary conditions and social benefits. You can expect a family-friendly policy, flexible working hours, and support for the compatibility of work and family life.

The TUM Munich Dual Career Office (MDCO) provides tailored career consulting to the partners of newly appointed professors. The MDCO assists in the relocation and integration of new professors, their partners, and accompanying family members.

Your Application

TUM and Fraunhofer-Gesellschaft are equal-opportunity employers and explicitly encourage applications from women. The position is suitable for persons with disability. Candidates with disability but essentially the same qualifications and scientific performance as other candidates will be given preference.

We value and promote the diversity of our employees' skills and, therefore welcome all applications - regardless of age, gender, nationality, ethnic and social origin, religion, ideology, disability, sexual orientation, and identity.

Application documents should be submitted in accordance with TUM's application guidelines for professors. These guidelines and detailed information about the TUM Faculty Recruitment and Career System are available at www.tum.de/faculty-recruiting. Here you will also find TUM's information on collecting and processing personal data as part of the application process.

Please send your application no later than **29 February 2024** to the **Dean of the School of Computation, Information and Technology**, Prof. Dr. Hans Bungartz, and the **President of the Fraunhofer Gesellschaft**, Prof. Holger Hanselka, via the recruitment portal: www.recruit.tum.de.