

The research institute for Cyber Defence (CODE) at the Bundeswehr University Munich has been substantially expanded to become the research institute for "Cyber Defence and Smart Data" of the Bundeswehr and the Federal Government institutions. CODE was established in 2013 with the objective of bringing together experts from different faculties and scientific disciplines as well as expertise from industry and government agencies to conduct research in cyber and information space. CODE pursues a comprehensive, integrated and interdisciplinary approach to implementing technical innovations and concepts for the protection of data, software, and ICT infrastructures in accordance with legal and commercial framework conditions. It has already established important strategic partnerships in this area. The objective of the expansion is to unite the Bundeswehr's and the Federal Government's research initiatives in the area of Cyber Defence and Smart Data and to establish the CODE research institute as the primary point of contact in the cyber and information domains of the Bundeswehr and the Federal Government.

Research and teaching in the area of cyber security is already being carried out as part of the bachelor's and master's programs in the Department of Computer Science. A new independent master's program in Cyber Security was launched on January 1st 2018.

As part of the expansion of CODE, the Department of Computer Science at Bundeswehr University Munich seeks to appoint, at the earliest possible date:

Four Full Professorships (W3) in Information Security

The department particularly seeks to recruit in the areas of 1) **cryptology** (e.g. post-quantum, key management and protocols, cryptanalysis - including quantum computing-supported, mathematical foundations), 2) **cyber-physical system security** (e.g. distributed embedded systems, Internet of Things, real time systems, side channels, hardware security), 3) **privacy** (e.g. privacy enhancing technologies, differential privacy, k-anonymity/l-diversity, Internet anonymity) and 4) **open source intelligence** (big data, data mining, visualization, metadata, analysis of social bots).

For each professorship, the Bundeswehr University Munich is looking for a professor who, in addition to having outstanding scientific qualifications, will also contribute actively to the CODE research institute. Besides excellent research work, the new professor is expected to develop demanding courses for the master's program in Cyber Security and to provide excellent teaching in her or his respective specialist area. The applicant is also expected to carry out teaching in the bachelor's programs in computer science and to cooperate closely in research with other departments at Bundeswehr University Munich.

As the first German IBM Q-Hub, CODE has access to an IBM quantum computer. Faculty members at Bundeswehr University are eligible to apply for funding via the usual routes, such as DFG, EU, BMBF, but in addition are able to collaborate with several federal institutions.

Courses at the Bundeswehr University Munich are taught in small groups. The professorship will be provided with superbly equipped laboratories housed in a new building that will be built in the near future. The candidate must have an excellent scientific track record, as demonstrated by a habilitation or equivalent scientific achievement, as well as relevant publications in academic journals and conferences. Proven teaching experience in her or his respective specialist area is highly desired. The new professor should have an international perspective, e.g. based on participation in international research projects, as well as experience in acquiring third-party funding. The duties will also include participation in the academic self-administration of the university. Further, the candidate will be expected to assume a gender equality based leadership role.

The Bundeswehr University Munich offers academic programs directed primarily at officer candidates and officers, who can obtain bachelor's and master's degrees in a trimester system. Study programs are complemented by an integrated program entitled "studium plus", which consists of interdisciplinary seminars, tutorials and training in key professional qualifications.

The recruitment requirements and the employment status of professors are governed by the Federal Civil Service Act (Bundesbeamtengesetz). To become an appointed civil servant (Beamter), candidates must be no older than 50 on the date of their appointment.

The university seeks to increase the number of female professors and thus explicitly invites women to submit applications. Severely disabled candidates with equal qualifications will receive preferential consideration.

Please direct any questions about the process and the offered positions to Ms. Stefanie Molnar (+49-89-6004-2634, stefanie.molnar@unibw.de).

Please submit your application documents, marked as Confidential Personnel Matter, to the **Dean of the Department of Computer Science, Professor Dr. Oliver Rose, Bundeswehr University Munich, D-85577 Neubiberg, or via email to dekanat.inf@unibw.de, by 07th January 2020.**

