CS & BME

TU Graz

TENURE TRACK PROFESSOR (M/F/D) OF

CYBERSECURITY AND AI

INFORMATION FOR APPLICANTS 2025

Job Description

We are looking for a candidate with proven scientific expertise in research areas related to Cybersecurity and Artificial Intelligence.

Research Areas:

→ All research areas related to the Security, Privacy, and Safety of systems that include or that are based on Machine Learning, Federated Learning, or Generative AI

→ All research areas where Machine Learning or Artificial Intelligence is applied to achieve Security, Privacy or Safety

The successful candidate will cover one of these fields or any other field in Cybersecurity and Artificial Intelligence that complements the existing strengths in the department. The professorship will be part of the **Institute of Information Security (ISEC),** which is an internationally highly visible research environment with more than 60 researchers in information security. It has been active in this field for almost 40 years and performs research in the following four areas: System Security, Cryptology & Privacy, Formal Methods, and Secure Applications. It is planned to continue expanding the research in Information Security at Graz University of Technology. For this purpose, a new building, the Cybersecurity Campus Graz, will open in 2026.

The new professor will complement the department's existing strengths and build an internationally visible group. The successful candidate will be an engaged teacher in the Computer Science programs at the Bachelor's, Master's, and PhD level, and will actively participate in academic self-administration. At Graz University of Technology, undergraduate and graduate courses in Computer Science are taught in English.

The position includes a generous starting package that includes funding for research, equipment, travel, etc.

Requirements

Employment Requirements:

- A completed university education with a doctoral degree (PhD) in a relevant field.
- Excellent scientific achievements.
- Excellent didactic and pedagogical skills.
- Management and leadership abilities.
- Excellent command of English and command of German or the willingness to acquire it.

Selection Criteria:

- International experience and integration in the global research community.
- Experience with the acquisition of research grants and/or industrial collaboration.
- Gender and diversity competences.

More information and online application →

Benefits

- Collegial and friendly working atmosphere
- Flexible working schedule (e.g., possibility for home office, paid lunch break)
- Interesting area of responsibility
- International training and teaching opportunities
- Seal of quality for in-house advancement of women
- Family-friendly employer
- Subsidy for public transport
- University's sports program
- Shopping Discounts
- Workplace Health Management
- Top research infrastructure and access to the latest technologies
- Exciting opportunities for professional and personal development
- Safe and stable working environment
- Company pension funds

We offer an internationally competitive salary based on the applicant's profile. The salary includes medical and retirement insurance.

The University

> Our faculty has changed a lot since it was founded almost 20 years ago and has grown to an impressive size.
>
> Dean Gernot Müller-Putz

Graz University of Technology is the oldest science and technology research and educational institution in Austria. For over 200 years, it has been an important university in the international research and education network of science. The university achieves top performance in its five Fields of Expertise and maintains intensive collaboration with national and international research and educational institutions, as well as with businesses and industries worldwide.

The **Department of Computer Science and Biomedical Engineering** ranks among the top 30 in Europe and is committed to excellence in research and teaching. The department conducts highly visible research in its main focus areas: Biomedical Engineering, Safety and Security, Artificial Intelligence, and Visual Computing. Seven ERC grants underscore the department's research excellence. Furthermore, the department actively promotes interdisciplinary collaboration, maintains strong ties with industry, and strongly supports the creation of spin-offs. The department consists of 11 institutes. One of the largest institutes is ISEC, the Institute of Information Security.

TU Graz > CSBME > ISEC

Institute of Information Security

ISEC, the **Institute of Information Security**, is Austria's largest research institute dedicated to Information Security. With its publications at top-tier conferences, it ranks among the top institutions in Europe. It has a history spanning nearly 40 years, and it currently hosts more than 60 researchers working on topics such as security architectures, side-channel analysis, cryptography, formal methods, and eGovernment.

Among its most notable achievements are the standardization of ASCON as the algorithm for lightweight cryptography by NIST and the discovery of the processor vulnerabilities known as "Meltdown" and "Spectre." The institute teaches 7 courses in the Computer Science bachelor's degree program and around 20 specialized courses at the master's level.

More about ISEC

ISEC Research Areas & Team Leaders

HEAD OF INSTITUTE

Stefan Mangard

Design and analysis of secure system architectures in Hardware and Software.

SECURE SYSTEMS

Daniel Gruss

Security of systems from a low-level perspective and development of attacks and defenses in this area.

Sujoy Sinha Roy

Cryptographic engineering to make cryptography practical and secure on hardware and software platforms.

CRYPTOLOGY & PRIVACY

Maria Eichlseder

Symmetric cryptography and cryptanalysis to create efficient ciphers that are secure in both theory and practice.

Christian Rechberger

Foundational and applied aspects of cryptologic security and privacy.

FORMAL METHODS

Roderick Bloem

Formal system design methods for functional and security properties.

Bettina Könighofer

Neurosymbolic AI to build systems from data that are safe, robust, and explainable by design.

SECURE APPLICATIONS

Harald Bratko
Thomas Zefferer

Java™ crypto libraries covering a wide range of data and communication security

Arne Tauber
Herbert Leitold

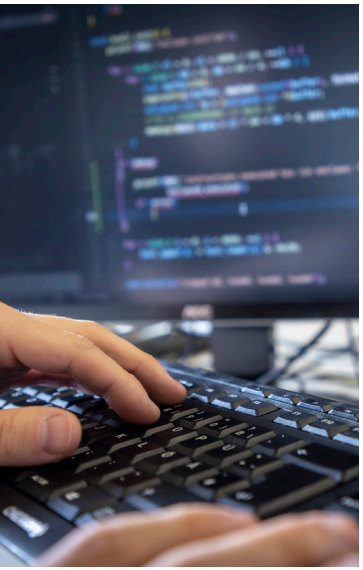
Identity management and emerging technologies for the eGovernment domain.

Peter Teufl

Application of cutting-edge research to enhance eGovernment systems, addressing the public sector's critical information security needs.

Research Environment

11 institutes



The Department of Computer Science and Biomedical Engineering conducts outstanding basic and applied research. Through its research and teaching, the department is a driver of the economy in southern Austria. Well-educated graduates and close cooperation between the department and its industrial partners contribute to the growth of the local industry, the arrival of new companies, and several successful startups. Our research has motivated companies such as Microsoft, Amazon, and SGS to establish subsidiaries in Graz. The university encourages startups, and a large proportion of existing startups were started by our students.

Information Security and Artificial Intelligence are key research priorities at Graz University of Technology. The professorship is part of a dynamic and highly collaborative environment with numerous national and international projects.

Cybersecurity

Graz University of Technology is a major player in cybersecurity. Three out of seven faculty members in this area have received ERC grants. The research spans from theoretical aspects in cryptography and neurosymbolic AI to very applied aspects in system security and applications in eGovernment.

There are countless projects and opportunities for collaborations at ISEC and with research partners and companies around the globe. There is also the Austrian special research program SPyCoDe that provides a research network of Austrian universities in Cybersecurity.

Artificial Intelligence

Graz University of Technology is also a strong player in AI. It is part of the Austrian Cluster of Excellence for Bilateral AI (BILAI), which aims to combine two of the most important branches of AI: symbolic AI and machine learning. Ten faculty members contribute to the cluster and the research covers theoretical and applied aspects. In the context of the Graz Center for Machine Learning (GraML), researchers at TU Graz work on machine learning topics in an interdisciplinary manner, each contributing unique scientific perspectives from their respective research areas.

300 scientific employees

7 ERC grantees

Teaching Environment

We offer study programs at all levels, including bachelor's, master's, and PhD degrees. Our department serves approximately 4,700 students—nearly one-third of the university's total number of students. All computer science courses are taught in English. One of our greatest strengths is the culture of mutual respect and collaboration among faculty, staff, and students.

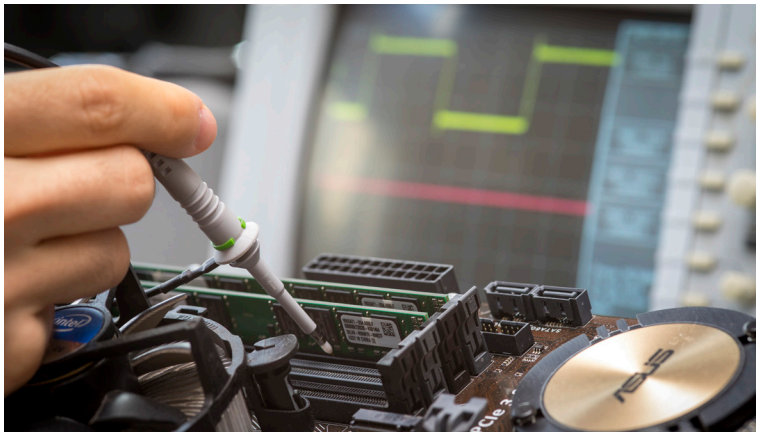
The main curricula relevant for this professorship are:

→ Computer Science
→ Information and Computer Engineering
→ Software Engineering and Management

At the bachelor's level of these curricula, we provide students with a solid foundation in both AI and Security, ensuring a deep understanding of core principles and methods. In the area of security, our courses cover the entire stack of secure computing: from the foundations of logic, through processor architecture, operating systems, and networks, to cryptographic algorithms and secure programming practices. In AI, our courses cover the basics of knowledge representation, automated reasoning, natural language processing, constraint solving, and machine learning. At the master's level, we offer majors in both, Information Security and Artificial Intelligence. In a major, up to 100 ECTS can be completed in the selected focus area.

TU Graz offers research-driven education. Bachelor's and master's students get the chance to contribute to scientific publications at international top conferences. The education provides an excellent basis to continue research towards a PhD degree.

Overall, the study programs are designed to equip students with a strong foundation in both theoretical knowledge and practical skills. This is achieved through hands-on exercises accompanying almost every lecture, optional research projects during the Bachelor's and Master's programs, and the completion of Bachelor's and Master's theses. ISEC also hosts LosFuzzys, a very successful student team competing in global capture-the-flag competitions. This year, they are part of a team that qualified for the DEF CON CTF finals in Las Vegas.



7 student teams

4700 students

Cybersecurity Campus Graz

ISEC will move into the new **Cybersecurity Campus Graz** building in Spring of 2026. The building creates a new modern space for researchers, students, and collaboration partners in cybersecurity.

The building is located at the Campus Inffeldgasse of TU Graz, a modern, green, and expanding campus close to the city centre. It takes less than 10 minutes to get there by bike. It's also well connected to public transport, with a tram line and several bus stops only 5 minutes away.

Graz – The City

Cultural and university town in the „Styrian Tuscany“.

Sunny spots in cheery wine gardens, promenades in the historic city centre, and narrow, atmospheric alleyways, combined with over 2,300 hours of sunshine convey a southern European flair.

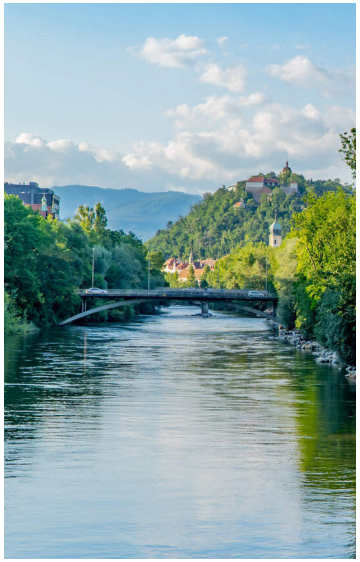
University town since 1585

Know-how from Graz goes international. Six universities with more than 16 faculties form the basis of the excellent international reputation of Graz as a research and academic location. With nearly 60,000 students of 330,000 inhabitants, Graz more than deserves its title of “student town”.

Where science meets art, culture and passion

Graz, the exciting city of culture, and particularly its historic city centre, offers the ideal location to stage seminars, trade fairs or conferences. It is not by chance that Graz is a UNESCO World Cultural Heritage Site. The historic city centre around Schlossberg hill has been growing for centuries and became a township well worthy of admiration. Organisers of scientific conferences in particular have appreciated Graz as a conference destination for many years. Approximately 45,000 conference guests make use of use the historic and modern congress centres every year. They appreciate the city’s easy accessibility, as much as its sophisticated cuisine and famous Austrian hospitality. A variety of supporting programmes and day excursions, served with Styrian delicacies and regional wines, add culinary value to any event.

Uhrturm
The clock tower, the symbol of Graz, majestically overlooks the city.



Mur
The Mur, which flows picturesquely through Graz, provides a charming scenery for walks.

UNESCO World Heritage Site
In 1999, the old town of Graz was declared a UNESCO World Heritage Site.

TENURE TRACK PROFESSOR OF

CYBERSECURITY AND AI

Position identification number: **7050 / 2025 / 8413**

Interested applicants are requested to submit the **online application** including:

- a CV (with copies of diplomas)
- a list of publications highlighting the 5 most important publications
- a research statement describing past and planned research activities (5 pages max.)
- a teaching statement (5 pages max.) and evaluations of past teaching activities (if available)
- names and contact information of two references

Deadline: November 17, 2025
Hearings: week of February 2, 2026

More information: **csbme.tugraz.at/go/applications/CybersecAI**
For further question, please contact Stefan Mangard: **applications.csbme@tugraz.at**

There may be errors or omissions in this brochure. The legally binding announcement for this position is published in TU Graz' Gazette at mibla.tugraz.at