

INFORMATION FOR APPLICANTS

University Professor of Microwave Engineering



Graz University of Technology (TU Graz) is the oldest science and technology research and educational institute in Austria. For more than 200 years, it has been an important international center for research and teaching. The university focuses on five fields of expertise:

- Advanced Material Science
- Human & Biotechnology
- Information, Communication & Computing
- Mobility & Production
- Sustainable Systems

The university enjoys intensive collaborations with other national and international research and educational organizations as well as with business and industry worldwide.

Starting from October 1, 2027, TU Graz seeks to appoint a Full Professor of Microwave Engineering at the Institute of Microwave and Photonic Engineering (IHF), which is part of the Faculty of Electrical and Information Engineering. The position is tenured according to Section 98 of the Austrian University Act. In this context, we are looking for a person with an outstanding scientific track record who is able to represent the area “Microwave and Millimeter-wave Engineering” in research and education.

The IHF’s expertise lies in various areas of high frequency technology in which it is Austria’s leading scientific institution. Those topics cover the entire spectrum of RF-engineering with focus on system design and heterogeneous integration, microwave and mm-wave measurement techniques, component development - especially filtenna design, radar-systems, microwave propagation effects and optical communications. The institute was founded in 2010 but included also already existing research groups. They participate in international (e.g. EU frameworks) and national research activities including a Christian Doppler Laboratory for “Technology-based Design and Characterization of Electronic Components”. Furthermore the IHF has intense contacts to the local, national and international industry resulting in a large portfolio of research and consulting initiatives. At the moment the institute has a scientific staff of 25 employees.

About Graz



Graz, the second largest city in Austria, is situated south-east of the Alps and enjoys an almost mediterranean climate and lifestyle. The location in a cultural borderland close to Slovenia, Hungary, and Italy is reflected in Graz' exceptional townscape. The medieval old town is one of the largest and best-preserved in central Europe and was named a UNESCO world heritage site. Its magnificent buildings bear witness to over 850 years of architecture in the city, such as the Landhaus, also home to the Styrian Armoury and its 30,000 weapons and suits of armour, the cathedral and the mausoleum, Schloss Eggenberg and the Grazer Burg with its double-spiral staircase. These ancient edifices merge in unique harmony with state-of-the-art works by internationally renowned architects such as for example the Kunsthau Graz, Joanneumsviertel, MUMUTH or the greenhouses in the Botanical Gardens.

The rich offerings of Graz to its visitors are reflected by a number of awards: Graz was the "Europe Capital of Culture 2003", is a member of the "UNESCO City of Design" network, and was named the Austrian "Capital of Culinary Delights". Graz is also a young and lively city with more than 50.000 students enrolled into one of the six universities.

Graz is embedded into beautiful and diverse landscapes, with the wine growing region known as "Styrian Tuscany" in the south, a region rich of hot springs and spas in the east, and the Alps in the north and west.

Facts and Figures about Graz:

- Residents (main domicile 01/01/25) – 306,068
- Universities - 6 universities | 2 polytechnics
- Students in Graz - over 50,000
- Total area – 127.5 km² (of which 50 % green area)
- Elevation - 353 m
- Museums – 34

<https://www.graztourismus.at/en>

Faculty of Electrical and Information Engineering

The research activities at the 12 institutes of the Faculty of Electrical Engineering and Information Technology are trend-setting and leading in Austria in many applied and theoretical areas. High technology from Graz is used in modern locomotives as well as on board of space missions, in weather radar as well as in automotive and medical diagnostic technology. The faculty is significantly involved in European and international research projects, but also in national programs such as COMET competence centers and Christian Doppler laboratories. Modern research and teaching requires interdisciplinary cooperation, as practiced at the faculty, for example in complex field calculations for new sensors and wireless communication systems, in digital signal processing, or in mobile robotics.



Power Engineering

Institute of Electric Drives and Power Electronic Systems
Institute of Electrical Power Systems
Institute of High Voltage Engineering and System Performance
Institute of Electricity Economics and Energy Innovation

Fundamentals

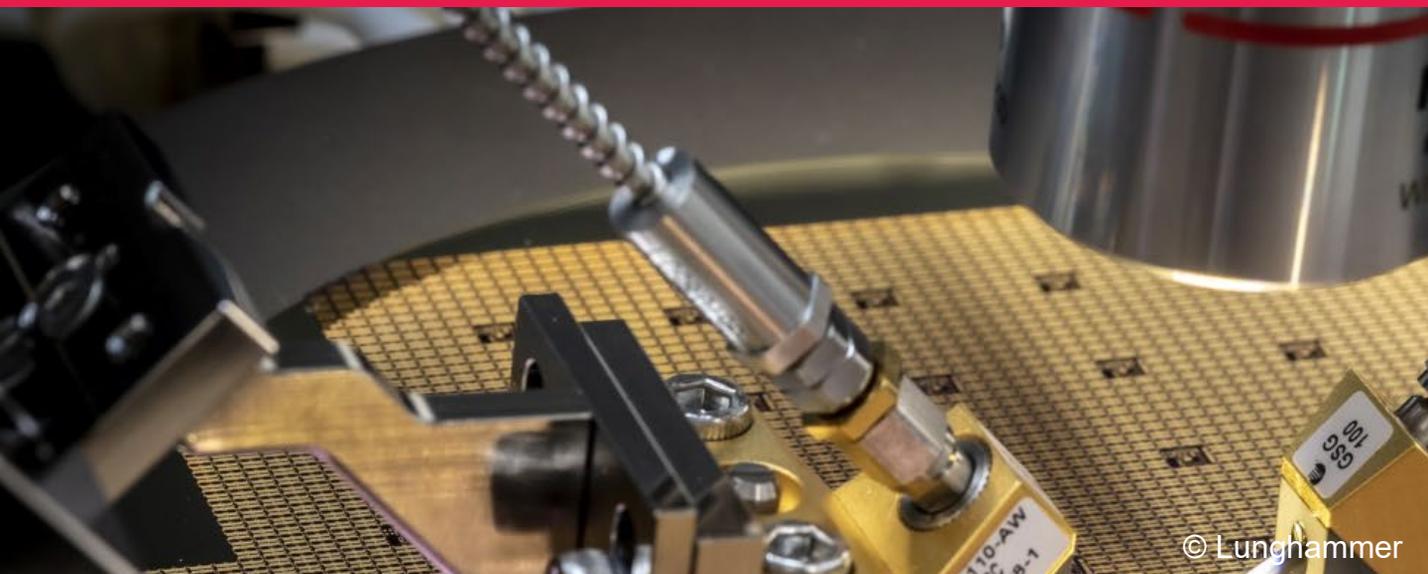
Institute of Fundamentals and Theory in Electrical Engineering
Institute of Automation and Control
Institute of Electrical Measurement and Sensor Systems

Information and Communication Technology

Institute of Electronics
Institute of Communication Networks and Satellite Communications
Institute of Signal Processing and Speech Communication
Institute of Technical Informatics
Institute of Microwave and Photonic Engineering



University Professor of Microwave Engineering



University Professor of Microwave Engineering

Employment Start: October 2027

Hours per week: 40 h/w

Employment Type: Permanent

Application deadline: 15.04.2026

Hearings are planned in the week of 29.06.2026 and 03.07.2026

Apply here: [Public job portal link](#)

The Faculty of Electrical and Information Engineering at Graz University of Technology invites applications for the position of a

University Professor of Microwave Engineering (m/f/d)

with a full-time permanent contract (§ 98 UG) assigned to the Institute of Microwave and Photonic Engineering.

We are looking for an internationally recognized researcher with a high scientific reputation and profound experience in the field of hardware-oriented microwave engineering, in particular in one or more of the following subject areas:

- **Microwave systems** for communications, radar, and remote sensing: innovative design and development of concepts, front-end technologies, active and passive components, interface to optical systems, circuit engineering, and system integration
- **Microwave measurements and characterization** of microwave components and systems, characterization of materials, and calibration techniques
- **Intelligent antenna systems**, antenna design, and antenna measurements, for instance, in planar, on-chip, and in-package technologies, and for intelligent surfaces
- **Wave propagation** e.g. in solid bodies and meta-materials, inverse design strategies
- **Radar system engineering**, target detection and classification
- **RF wireless power transfer**, RF energy harvesting, and backscatter communication systems

University Professor of Microwave Engineering

Application domains of special interest are: aerospace, automotive, security systems, and radio positioning.

Employment Requirements

- A PhD-level university education in a discipline relevant for the position.
- Relevant habilitation (*venia docendi*) or equivalent postdoctoral qualification.
- Outstanding scientific achievements in research and teaching in the relevant field (excellence in basic and applied research).
- Teaching skills for the effective implementation of teaching at bachelor's, master's, and doctoral level.
- Management qualifications (strategy, personnel, and process development), in particular the qualification for developing and managing a university institute.
- Complementarity with the existing research fields of the faculty.
- Experience in acquiring and managing third-party-funded projects or contract research.

Desired Qualification

- Several years of experience in cooperation with industry, research institutions, or universities, or experience in industry.
- International experience, demonstrated by extended stays abroad and involvement in international research.
- Ability to work in a team and willingness to cooperate within and outside the university.
- Competence in the field of gender and diversity and knowledge of the special needs of people with disabilities.

We Offer

The advertised position is a permanent professorship, offering a competitive salary. The university provides staff and funding for research equipment.

TU Graz offers excellent working conditions within an active research community, not to mention the outstanding quality of life in the Graz area. We also support your partner's career development through our dual-career service, and can advise you on relocation issues. A combination of national and European funding organisations ensures an excellent funding landscape. There are also numerous opportunities to collaborate with other national and international research institutions, as well as medium-sized companies and industrial enterprises.

Application Documents

Applicants are asked to send their detailed documents in English. The following information is required:

- a CV with a description of your previous research and teaching activities and the nature and scope of your leadership experience (including copies of diplomas and relevant certificates);
- a list of publications highlighting the 5 most important publications;
- your 5 most outstanding publications in full text (appendix or other access data);
- a research statement describing past and planned research activities (5 pages max.);
- a teaching statement (5 pages max.) with a description of previous and planned activities related to training and mentoring;
- If available, evaluations of past teaching activities or teaching certificates;
- names and contact information of two references.

University Professor of Microwave Engineering

Relocation of the future professor to the greater Graz area (main residence) is required.

Applicants should have a strong command of the English language, both written and spoken, to be able to effectively represent the field internationally, and they must also be willing to learn German if they do not already know the language.

Graz University of Technology aims to increase the proportion of women, in particular in management and academic staff, and therefore qualified female applicants are explicitly encouraged to apply. In case of under-representation, preference will be given to women if applicants are equally qualified.

Graz University of Technology actively promotes diversity and equal opportunities. Applicants are not to be discriminated in personnel selection procedures on the grounds of gender, ethnicity, religion and ideology, age, sexual orientation (anti-discrimination). People with disabilities, and who have the relevant qualification, are expressly invited to apply.

Hearings

The hearings for the professorship will take place in the week of June 29 to July 3, 2026. Candidates should be available for interviews in this period.

Contact

Please address your application to the
Dean of the Faculty of Electrical and Information Engineering
Graz University of Technology
Univ.-Prof. Dipl.-Ing. Dr.techn. Martin Horn
Inffeldgasse 18/EG, 8010 Graz, Österreich

Information on the existing institutes of the faculty, Graz University of Technology, the city of Graz, and the research and industry environment can be found at:

<https://www.tugraz.at/en/fakultaeten/etit/jobs/jobs>

For questions, please contact the chair of the committee:

Univ.Prof. Dipl.-Ing. Dr. Klaus Witrisal, witrisal@tugraz.at, Tel.: +43 316 873 7440.

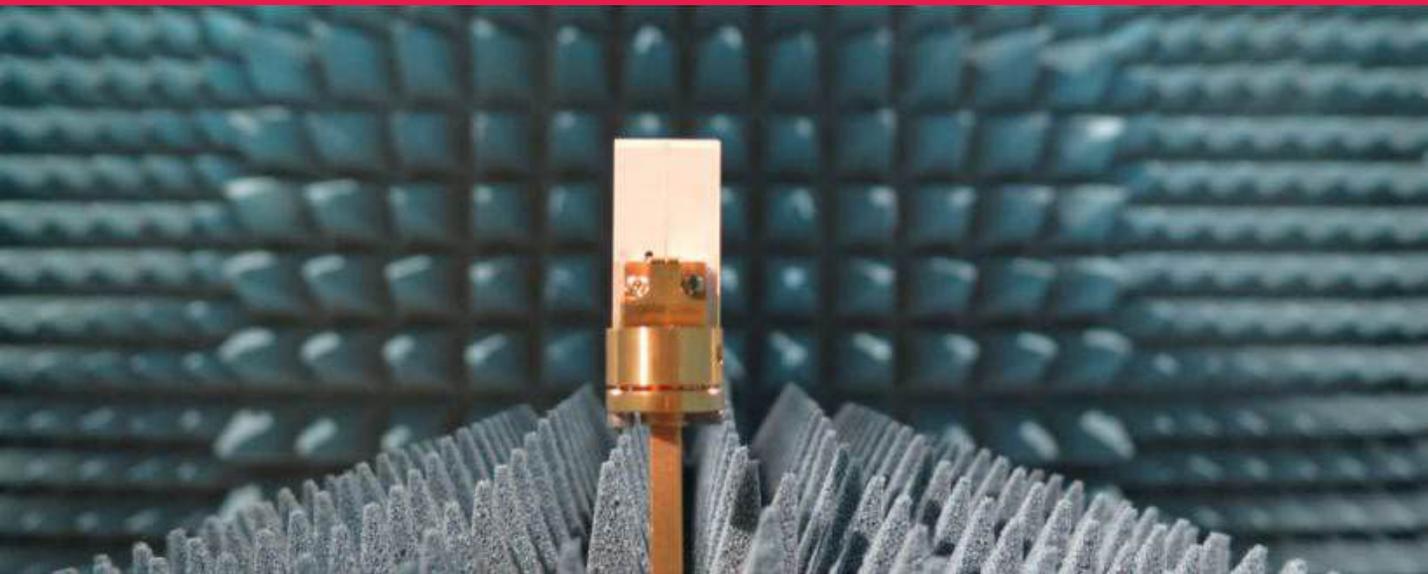
Please note that we can only accept applications submitted via our online application portal:

<https://jobs.tugraz.at/> Applications sent by e-mail or post will not be considered.

About us

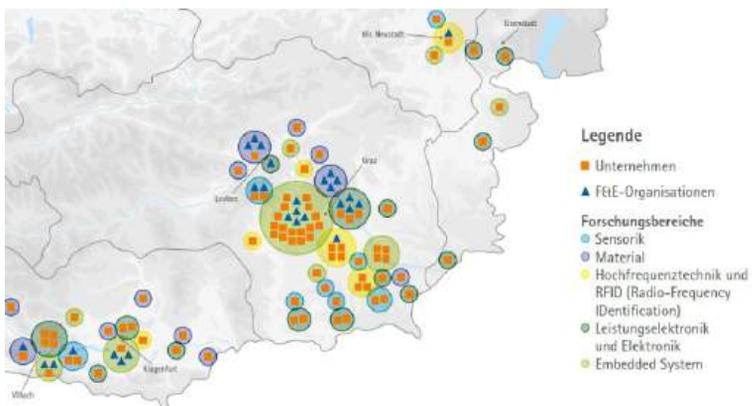
Graz University of Technology is the most traditional technical and scientific research and educational institution in Austria. In its five areas of strength, the Fields of Expertise, it delivers top international performance and relies on intensive cooperation with other research and educational institutions, commercial enterprises and industry worldwide. In the competition to pool the best qualifications and resources, it is committed to excellence in its areas of strength and is looking for top talent with an innovative spirit and vision. We therefore cordially invite you to join our community of researchers and teachers. Join us in shaping the future on the international/national research stage. Work with us on socially challenging topics. Let's shape solutions together for the future of our society and economy and for the success of future scientists, specialists and managers.

Graz: Comprehensive Research & Industrial Environment



The Institute of Microwave and Photonic Engineering has close cooperation with local and international industry in the areas of microwave communication components and systems, remote sensing, material characterisation and heterogeneous integration. The industrial partners range from global acting industry such as Infineon, NXP, AVL, Qualcomm and AT&S to smaller SME's such as Lixtec, MEDS and others.

Research partners in Styria and Austria are FH-Joanneum, AIT, Joanneum Research and Silicon Austria Labs (SAL).



The IHF has also an extensive research infrastructure:

- Two anechoic chambers for antenna and freespace measurements (a large chamber for microwave frequencies and a smaller for mm-waves)
- Two clean rooms (160 m²) with three waver probers
- Extensive RF and microwave measurement equipment (VNAs, spectrum analyzers, waveform generators,... up to 150 GHz)
- Prototyping capabilities

Microwave Engineering Expertise at TU Graz

Besides the IHF which will host the professorship, several additional institutes of TU Graz work on communications, electronics and information technologies and offer a rich ecosystem for collaborations.

Institute of Electronics (IFE)

www.ife.tugraz.at/

The Institute of Electronics (IFE) was founded in 1963 and is one of the oldest academic research and educational laboratories in the country that is focusing on semiconductor devices, integrated circuits, automotive electronics and electromagnetic compatibility at the IC- and System-level. It is part of the Faculty of Electrical and Information Engineering, and interacts with many institutes and research organizations. It is strongly linked to the surrounding semiconductor and automotive industry. Our expertise and experience spans from the System level down to the IC level and covers research areas in the field of electromagnetic compatibility (EMC) of ICs and electronic systems, electronic circuit design, electronic instrumentation, electronic under stress conditions as well as robust analog IC design. The institute offers an excellent infrastructure for the design, analysis, simulation and EMC characterization of electronic circuits and systems.



[Prof. Bernd Deutschmann](#)



[Prof. Alicja Malgorzata Michalowska-Forsyth](#)



[Prof. Jan Carsten Hansen](#)

Institute of Communication Networks and Satellite Communications (IKS)

www.iks.tugraz.at

The IKS is home to two internationally known research groups. It is Austria's leading scientific institution in satellite communications, which is now active in applied and experimental space research for more than 50 years. Most recently, three cube sats were designed, assembled, tested, and operated by this team. The wireless communications group is specialized in physical layer signal processing, with recognized contributions to radiopositioning and sensing. It has been hosting the Christian Doppler Laboratory for Location-aware Electronic Systems and participated in several European projects driving 5G/6G research. The focus areas are:

- Wireless communications, satellite communications, and channel modeling
- Statistical signal processing for communications, radiopositioning, and sensing
- Small satellites and payload systems engineering, assembly, testing, and operations



[Prof. Klaus Witrissal](#)



[Prof. Franz Teschl](#)



[Dr. Manuela Wenger](#)



[Prof. Erik Leitinger](#)

Microwave Engineering Expertise at TU Graz

Signal Processing and Speech Communication Laboratory (SPSC)

www.spsc.tugraz.at

In 2017, two PhD students of the SPSC lab won the student design competition *Power Amplifier Linearization through Digital Predistortion*, held at the *International Microwave Symposium* in Honolulu, Hawaii. Since 2023, it hosts the Christian Doppler Laboratory for *Dependable Intelligent Systems in Harsh Environments*. These are just two success stories of the research at the SPSC Lab which addresses fundamental and applied research problems in five scientific areas:

- Nonlinear signal processing
- Intelligent systems
- Speech communication
- Audio and acoustics
- Wireless communications



[Prof. Gernot Kubin](#)



[Prof. Barbara Schuppler](#)



[Prof. Bernhard Geiger](#)



[Prof. Franz Pernkopf](#)

Electric Drives and Power Electronic Systems Institute (EALS)

www.eals.tugraz.at

The institute EALS, founded in 1920, unites two complementary research groups advancing the fields of electric drives, machines, and power electronic systems. Its work spans fundamental research and industry collaboration, addressing the design, optimization, and reliable operation of the systems. Multidomain modeling ensures a holistic understanding of the complex interactions. The developed concepts and theoretical considerations are validated by laboratory prototypes in state-of-the-art laboratories. Current research areas of the institute are:

- Optimal design of electrical machines
- Fractional horse power machines
- High-frequency switched power converters
- Three-phase power conversion



[Prof. Michael Hartmann](#)



[Prof. Anette Mütze](#)

Microwave Engineering Expertise at TU Graz

Institute of Fundamentals and Theory in Electrical Engineering (IGTE)

The Institute of Fundamentals and Theory of Electrical Engineering (IGTE), founded in 1950, has long served as Austria's central institution for field theory in both research and teaching. Over the decades, it has developed into one of the world's leading research centres for the modelling and numerical simulation of electromagnetic and acoustic fields. Today, IGTE's research spans the theoretical foundations, modelling, simulation, optimisation, and experimental investigation of complex systems across engineering, materials science, and medical science. The institute's core research priorities include:

- Multiphysical modelling, simulation and optimization
- Material characterisation and inverse methods
- Electromagnetic compatibility and antenna design
- Aeroacoustics and vibroacoustics
- Acoustics and environmental noise

www.tugraz.at/institute/igte/



[Prof. Manfred Kaltenbacher](#)



[Prof. Christian Adams](#)

Institute of Electrical Measurement and Sensor Systems (EMS)

The Institute of Electrical Measurement and Sensor Systems (EMS) at Graz University of Technology is an interdisciplinary research institute dedicated to advanced measurement and sensing technologies. The focus is on solving complex measurement challenges through the integration of theory, simulation, and experimental validation. Research is application-driven, addressing health and medical technology, environmental monitoring and sustainability, and industrial systems. EMS combines sensor physics, photonic and electronic sensing, energy-aware measurement systems, and integrated circuit design. Our expertise:

- Electrical measurement and instrumentation
- Sensor systems and photonic sensing technologies
- Signal processing, modeling, simulation, and test systems

www.ems.tugraz.at



[Prof. Alexander Bergmann](#)



[Prof. Hannes Wegleiter](#)

APPLY NOW

to the

Dean of the Faculty of Electrical and Information Engineering
Univ.-Prof. DI Dr. Martin Horn
Inffeldgasse 18/EG, 8010 Graz, Austria

Full Professor of Microwave Engineering

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Hearings are planned in the week of 29.06.2026 and 03.07.2026

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Campus Alte Technik



Campus Inffeldgasse

Graz University of Technology

Technische Universität Graz

Rechbauerstraße 12, 8010 Graz, Austria

www.tugraz.at

3 Campus Areas/3 Campus-Bereiche:

Campus Alte Technik

Campus Neue Technik

Campus Inffeldgasse

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GRAZ
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AUSTRIA
EUROPE

CITY OF GRAZ/STADT GRAZ

- UNESCO world heritage site/*UNESCO Weltkulturerbe*
- City of Design
- Capital of Culture/*Kulturhauptstadt Europas*
- Eight higher education institutions, 60,000 students/*Acht Universitäten und Hochschulen, 60.000 Studierende*

REGION OF STYRIA/BUNDESLAND STEIERMARK

- Science and business location/*Wissenschafts- und Wirtschaftsstandort*
- 4.9 % regional R&D quota/*4,9 % regionale F&E Quote*

Lunghammer – TU Graz; Graz: Graz Tourismus – Harry Schiffler



Campus Neue Technik



City of Graz/Stadt Graz



Faculty of Electrical and Information Engineering

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