



The Faculty of Mathematics and Computer Science of the University of Würzburg has an open tenured position in the Institute for Computer Science starting at the earliest possible date:

University Professorship (W2) for Satellite Communication and Radar Systems

The candidate should have excellent credentials in communications and radar engineering with a background in space technology. The research areas should address several of the following:

- satellite networks for telecommunications applications (performance characterization, modeling interference effects).
- inter-satellite communication links for distributed control of satellite formations
- communications and operations for mega-constellations or formations
- Internet of Space
- radiolocation and radar technology for satellite systems
- array antennas and signal processing algorithms for electronic beamforming
- signal processing, protocols and standards for satellite communications
- high-frequency technology systems for satellite and ground station applications

In addition to software aspects, hardware experience, especially in the field of high frequency technology, is desired. There should also be participation in Würzburg's activities to build micro-satellites. The tasks include the implementation and organisation of courses in the space studies programmes of the University of Würzburg. In particular, English-language courses should be introduced into these international degree programmes.

Requirements are a completed university education, pedagogical qualification, the particular competence for scientific work generally proved by a Ph.D. or a doctoral degree, and a habilitation or an equivalent record of relevant scientific achievements in the area of satellite communication and radar systems, which can also be provided by a junior professorship or from outside of academia.

An appointment as a civil servant according to Art. 10 para. 3 BayHSchPG can only happen up to the age of 52 years. Exceptions are possible in urgent cases.

The University of Würzburg has a strong emphasis on the supervision of students and doctoral candidates and expects their teaching staff to be committed to this goal.

The University of Würzburg seeks to increase the share of women in research and teaching and explicitly asks potential qualified female candidates to apply.

Disabled persons will be favored in case of essentially equal qualifications.

Please submit your applications by e-mail by **31 March 2021** (w2-sar@informatik.uni-wuerzburg.de). The usual documents (curriculum vitae, certificates, records, list of publications, list of courses, teaching evaluations) are required as a single pdf file. It is requested to fill in a capture sheet (see go.uni-wue.de/registration-form-2021) and attach it to the e-mail.

For further information on the advertised professorship, please contact:

Prof. Dr. Klaus Schilling

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