



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:

Professorship (W2) for Modeling and Simulation

The position is for life.

The applicant should represent the subject of computer science with a strong focus on sustainability in research and teaching. Expertise in geography and geology (ecosystem models, climate change, earth observation), biology (ecosystem modeling) or sustainable IT systems is desired.

The future holder of the professorship should have an excellent track record. Possible areas of expertise include the following methodological approaches of simulation technology: data-driven modeling and simulation for sustainability; parallel and distributed simulation; efficiency and scalability of numerical simulation software.

Expertise in several of the areas of multi-agent simulation, event-based simulation, process-based simulation, numerical simulation, continuous simulation, parallel and distributed simulation is required. The application of simulation and modeling for sustainability is mandatory in one of the following two areas (of specialization):

- Modeling and simulation of environmental systems, e.g., ecosystem models, climate change, earth observation, or
- Modeling and simulation of sustainable systems, e.g., energy informatics for smart homes / buildings / cities, energy networks, mobility, or energy-efficient, reliable IT systems.

Experience in the acquisition of third-party funds and excellent didactic skills are expected. Teaching will focus on the new bachelor's degree "Computer Science and Sustainability" (<http://go.uniwiue.de/informatik-nachhaltigkeit>); an adequate participation in other computer science courses (bachelor- and master-level) is desirable. The willingness to cooperate with colleagues from one or more of the fields of computer science, mathematics, geography, geology and biology is essential.

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 modeling and simulation, 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-mus@informatik.uni-wuerzburg.de). The usual documents (curriculum vitae, certificates, records, list of publications, list of courses) are required as a single pdf file. Please fill in the following registration form for the hiring process:

go.uniwiue.de/registration-form-2021



For more information on the open position, please contact:

Prof. Dr. Tobias Hoßfeld

Chair of Communication Networks

Kontakt: <https://www.informatik.uni-wuerzburg.de/comnet/>