



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 Optimization under Resource Constraints

The position is for life. The applicant should represent the subject of computer science with a strong focus on sustainability in research and teaching. The Faculty is looking for an excellent scientist specializing in one of the following areas of computer science:

- discrete optimization: methods and algorithms that solve optimization problems under resource constraints (storage, time, energy, cost),
- multi-criteria optimization,
- reliability in spite of resource constraints (control of trade-offs),
- algorithm engineering for resource-efficient systems, e.g., heuristics and mechanisms in practical systems.

Expertise in several of these areas is a must. Furthermore, a focus on sustainable systems (mobility, logistics, energy-efficient IT-systems, energy networks, energy informatics for smart homes, smart buildings, smart cities) is desirable.

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.uni-wue.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 optimization under resource constraints, 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-optr@informatik.uni-wuerzburg.de](mailto:w2-optr@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.uni-wue.de/registration-form-2021](https://go.uni-wue.de/registration-form-2021)

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For further information on the advertised professorship, please contact:

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Chair of Computer Science I (Algorithms and Complexity)

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