The Faculty of Mathematics and Computer Science at the Julius Maximilian University of Würzburg, in cooperation with the Faculty of Medicine, the Faculty of Biology and the Center for Artificial Intelligence and Data Science (CAIDAS), has a vacancy for a University Professorship für Pattern Recognition to be filled as soon as possible.

Depending on the qualifications of the applicant, the position will be filled in grade W3 for life, or in grade W2 for a fixed term of 6 years with a tenure-track option to a university professorship in grade W3 for life. In the case of filling the position in grade W2 with tenure-track option, tenure and appointment as a university professor in grade W3 in a civil servant position for life shall only be granted if the university professor has proven him/herself in accordance with the requirements of the university's internal quality assurance concept.

The future holder of the professorship is expected to represent the field of pattern recognition with a focus on image analysis in research and teaching and to complement the existing research fields. Possible research areas in the topic area of the professorship are:

- Pattern recognition in image and video data
- Geometric Deep Learning
- Semantic segmentation in image data
- Analysis and understanding of scenes
- Machine Learning for Photogrammetry
- Deep Learning for 3D reconstruction from image and/or video data

Since the professorship is filled in the context of a cooperation with the Faculty of Medicine or the Faculty of Biology, the future job holder should ideally have experience in at least one of the following application areas:

- Pattern recognition for ecosystem analysis, e.g. pattern recognition image and remote sensing data, image analysis of CT scans.
- Use of image data to monitor and control additive manufacturing processes of functional tissue, 3D bioprinting or biofabrication.

Opportunities for collaboration with the Faculty of Medicine or the Faculty of Biology and experience in obtaining external funding and in interdisciplinary research collaboration are expected.

Teaching duties include offerings for the modularized courses of study represented at the University of Würzburg at the Institute of Computer Science, the Faculty of Biology, and the Faculty of Medicine. The University of Würzburg attaches great importance to intensive supervision of students and doctoral candidates and expects corresponding commitment from the teaching staff.

The professorship is part of the Center for Artificial Intelligence and Data Science (go.uniwue.de/caidas). The future position holder is expected to be strongly involved in collaborations with other members of the Center. Strong experience with interdisciplinary collaborations especially in the area of Artificial Intelligence, Machine Learning and Data Science, but also with other application areas of the Center is an advantage.

Requirements are a corresponding completed university education, pedagogical qualification, the particular competence for scientific work generally proved by the quality of a PhD or a doctoral degree, and a habilitation or an equivalent record of relevant scientific achievements in the area of Pattern Recognition, which can also be provided by a junior professorship or from outside of academia.
addition, for the career path W3 professorship for life success in national or international third-party funding, extensive publication activities and integration into an international research environment is expected.

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 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.

Applications are to be submitted by e-mail to w3-pr@informatik.uni-wuerzburg.de by 8 January 2023. The usual documents are required (curriculum vitae, references, certificates, list of publications, research concept, teaching concept, list of courses, teaching evaluations) as well as the three most relevant own publications for the subject area of the professorship as a pdf file. Furthermore, a completed application form is required as a separate xlsx file (go.uniwue.de/2022-04-registration-form-ot). The documents will be deleted after the end of the appointment procedure in accordance with the requirements of data protection.

To learn more about professorships in Germany (Bavaria), please visit: [https://www.research-in-bavaria.de/de/how-to-become-a-professor](https://www.research-in-bavaria.de/de/how-to-become-a-professor), especially the section about professor appointments: [https://www.research-in-bavaria.de/de/how-to-become-a-professor#c734](https://www.research-in-bavaria.de/de/how-to-become-a-professor#c734)

For further information on the advertised professorship, please contact:

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