



The Faculty of Mathematics and Computer Science at the Julius Maximilian University of Würzburg, in cooperation with the Center for Artificial Intelligence and Data Science (CAIDAS), has a vacancy for a

Junior Professorship

of grade W 1 with tenure-track on a university professorship of grade W 2 for

Digital Media Processing

to be filled as soon as possible.

The junior professorship shall be filled on a temporary civil service basis for an initial period of three years. The temporary civil service relationship shall be extended up to a total period of six years upon probation. Continuation and appointment as a university professor in grade W 2 in a civil service relationship for life shall only be granted if the junior professor has proven his or her worth in accordance with the requirements of the university's internal quality assurance concept.

The applicant (m/f/d) should represent the field of digital media processing with a focus on image analysis in research and teaching and complement the existing research fields. Possible research areas in the subject area of the professorship are:

- Inverse Problems
- Super-Resolution
- Spectral Recovery
- Restoration
- Computational Photography
- Compression
- Mobile AI
- Augmented Reality / Mixed Reality
- Machine Learning for Photogrammetry

The professorship is organisationally assigned to the Chair of Computer Vision. Therefore, close cooperation within the chair as well as involvement in interdisciplinary research is expected. The future holder of the position should ideally have experience in at least one of the following areas of application:

- Super-Resolution of images
- Design of efficient deep learning models for running on constrained devices (mobile devices)
- Image acquisition process and camera sensors

Opportunities for cooperation with the medical faculty or with the faculty for biology and experience in raising third-party funds and in interdisciplinary research cooperation are expected.

The teaching tasks include offers for the modularized courses at the University of Würzburg at the Institute for Computer Science, the Faculty of Biology and the Medical Faculty. The University of Würzburg attaches great importance to intensive supervision of students and doctoral candidates and expects a corresponding commitment from the lecturers.

The professorship is part of the Center for Artificial Intelligence and Data Science. The future post holder is expected to be strongly involved in collaborations with other members of the Center, especially in the field of Artificial Intelligence, Machine Learning and Data Science, but also with other application areas of the Center.

Requirements for employment are a relevant university degree, pedagogical aptitude and the special aptitude for academic work, which is usually demonstrated by the outstanding qualification of a doctorate in the field of digital media processing (cf. Art. 63 Para. 1 Sentence 1 BayHIG).



Applicants should be at an early stage on the path to a professorship and have changed universities after obtaining their doctorate or, if the doctorate was obtained at the Julius Maximilians University, have worked scientifically outside the Julius Maximilians University for at least two years.

No more than four years should have passed between the doctorate and the end of the call period, and no more than seven years in the field of medicine or clinical psychology. The date of the doctoral certificate is decisive (cf. Art. 63 Para. 1 Sentences 5 to 7 BayHIG).

An appointment to civil service can be made in accordance with Art. 65 Para. 1 Sentence 3 BayHIG in conjunction with Art. 23 Para. 1 BayB. Art. 23 para. 1 BayBG, only be made up to the age of 45. Exceptions are possible in urgent cases.

The University of Würzburg aims to increase the proportion of women in research and teaching and therefore expressly invites suitably qualified female academics to apply.

Severely disabled applicants will be given preference if their suitability is otherwise essentially equal.

Applications must be submitted by e-mail by **22 October 2023** to dmp@informatik.uni-wuerzburg.de. The usual documents are required (CV, 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 single pdf file. Furthermore, a completed registration form for appointment procedures is required, see go.uni-wue.de/2022-04-registration-form.

To learn more about professorships in Germany (Bavaria), please visit:

<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>

For further information on the advertised professorship, please contact:

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