



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

University Professorship for Reinforcement Learning and Computational Decision-Making

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 should represent the field of Reinforcement Learning and Computational Decision-Making in cooperation with the Faculty of Business Management and Economics in research and teaching and should have excellent scientific qualifications e.g. in one or more of the following areas:

- Inverse Reinforcement Learning
- Deep Reinforcement Learning
- Approximate Dynamic Programming
- Temporal Difference Learning
- Multi-Armed Bandits

Opportunities for cooperation with the Faculty of Business Management and Economics and experience in obtaining external funding and in interdisciplinary research cooperation are expected.

The teaching duties include courses for the modularized degree programs represented at the University of Würzburg at the Institute of Computer Science and in Economics (especially Business Informatics). 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 professorship is part of the Center for Artificial Intelligence and Data Science (go.uniwiue.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 Reinforcement Learning and Computational Decision-Making, which can also be provided by a junior professorship or from outside of academia. In 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-rlcdm@informatik.uni-wuerzburg.de by **10 May 2021**. 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.uni-wue.de/registration-form-2021-0t). 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>,

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:

Prof. Dr. Andreas Hotho (Spokesperson CAIDAS)

Tel.: +49 931 31 88453

E-Mail: hotho@informatik.uni-wuerzburg.de

und

Dr. Marianus Ifland (Manager Institute of Computer Science)

Tel.: +49 931 31 86746

E-Mail: ifland@informatik.uni-wuerzburg.de