

Hier  
entsteht  
Zukunft!



UNIVERSITÄT  
DES  
SAARLANDES

Foto: Oliver Dietze



Saarland University is a campus university with an international reputation for research excellence, particularly in computer science and in the life sciences and nanosciences. The university is also distinguished by its close ties to France and its strong European focus. Around 17,000 students, studying over one hundred different academic disciplines, are currently enrolled at Saarland University. Saarland University is officially recognized as one of Germany's family-friendly higher-education institutions and with a combined workforce of more than 4000 it is one of the largest employers in the region.

The Research Training Group "Neuroexplicit Models of Language, Vision, and Action" is inviting applications for the following position commencing **01 September 2024**

## Academic research assistant (m/f/x)

**Reference number W2411**, salary in accordance with the German TV-L salary scale<sup>1</sup>, pay grade: E13 TV- L, duration of employment: 4 years, volume of employment: 100 % of standard working time.

### Workplace/Department:

The RTG "Neuroexplicit Models of Language, Vision, and Action" develops novel models to accurately solve tasks in natural language processing, computer vision, and action-decision making. Neuroexplicit models combine neural and human-interpretable ("explicit") components; these include e.g. symbolic and physics-based models. We aim to improve the state of the art through the use of neuroexplicit models and investigate general machine learning design principles for effective neuroexplicit models.

The RTG will fund up to 24 PhD students at a time and brings together multiple world-class research institutions on the Saarland University campus. We aim to recruit internationally and create a tight-knit, interdisciplinary research group through a joint qualification program. For more information, see <https://www.neuroexplicit.org/>

### Job requirements and responsibilities:

- Your job will be to carry out research with international impact within or across the fields of natural language processing ("Language"), computer vision ("Vision"), planning or reinforcement learning ("Action"), and machine learning ("Foundations"). You will choose your research topic freely in coordination with your PhD advisors.
- The position is designed to enable you to obtain a PhD in Computer Science within four years.

### Your academic qualifications:

- Completed scientific university studies in computer science, artificial intelligence, computational linguistics, visual computing, or a related discipline (a completed Master's degree).

<sup>1</sup> TV-L = collective agreement on remuneration of public sector employees in the German *Länder*

**The successful candidate will also be expected to:**

- Demonstrated expertise in one of the research fields of the RTG, e.g. through an excellent Master's thesis or relevant publications.
- Language skills (according to GER): English C1

**What we can offer you:**

- A flexible work schedule allowing you to balance work and family, among other things the possibility of teleworking
- Secure and future-oriented employment with attractive conditions
- A broad range of further education and professional development programmes (for example language courses)
- An occupational health management model with numerous attractive options, such as our university sports programme
- Supplementary pension scheme (RZVK)
- Discounted tickets on local public transport services ('Job-Ticket Plus' of the saarVV)

We look forward to receiving your **meaningful online application** (in a single PDF file) with the following information

- A CV that describes your education and work history, any particular achievements, and your publications (if any).
- Transcripts of your academic degrees and, if possible, a copy of your MSc diploma.
- A research proposal (1-2 pages) that outlines your research interests with respect to the topic of the RTG.
- The research area(s) that interest you most (Language, Vision, Action, Foundations) and a list of up to three PhD advisors you would most like to work with.
- Names and e-mail addresses of two academic references.

by **07 January 2024** to [apply@neuroexplicit.org](mailto:apply@neuroexplicit.org) . Please include the reference number **W2411** in the subject line of the e-mail.

If you have any **questions**, please contact us for assistance. Your contact:

Bitte wählen Prof. Dr. Alexander Koller and Dr. Tobias Renghart

<https://www.neuroexplicit.org> | [info@neuroexplicit.org](mailto:info@neuroexplicit.org)

Tel.: 0681-302- 70038

Pay grade classification is based on the particular details of the position held and the extent to which the applicant meets the requirements of the pay grade within the TV-L salary scale. Part-time employment is generally possible.

If you have obtained a foreign university degree, a proof of the equivalence of this degree with a German degree by the Zentralstelle für ausländisches Bildungswesen (ZAB) is needed before hiring. If necessary, please apply for this in time. You can find more information at <https://www.kmk.org/zeugnisbewertung>.

Unfortunately, neither costs for attending an interview at Saarland University nor costs for any certificate evaluation by the ZAB can be reimbursed in principle.

We welcome applications regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, and sexual orientation and identity. In accordance with its policy of increasing the proportion of women, the University actively encourages applications from women. Applications from severely disabled persons will be given preferential consideration in the event of equal suitability.

When you submit a job application to Saarland University you will be transmitting personal data. [Please refer to our privacy notice for information on how we collect and process personal data in accordance with Art. 13 of the Datenschutz-Grundverordnung](#). By submitting your application you confirm that you have taken note of the information in the Saarland University privacy notice.