

The Department of Human Sciences at the Technical University of Darmstadt invites applications for the position of a

Professorship (W3) for “Computational Cognitive Science”

starting as soon as possible.

The position holder will be a member of the Hessian Center for Artificial Intelligence - hessian.AI ( <https://hessian.ai/>) and provides research at the Center and will also be a member of the Centre for Cognitive Science ( <https://www.cogsci.tu-darmstadt.de/>).

We are looking for an outstanding scientist who will represent the topic area of Computational Cognitive Science in research and teaching. The scientific focus of the position is on the computational and algorithmic modeling of behavioral data to understand the human mind. Exemplary research topics include, but are not limited to:

- + computational level models of perception, cognition, decision making, action, and learning as well as extended behavior and social interactions in humans,
- + algorithmic models that are able to simulate, predict, and explain human behavior,
- + model-driven behavioral research on human cognition.

Successful candidates should demonstrate an outstanding scientific profile, with high-impact research contributions in the area of computational modeling of human behavior. A research profile that is able to interact with current developments in machine learning and artificial intelligence is desired. Candidates are expected to teach these topics in our undergraduate as well as graduate-level programs in Cognitive Science. Furthermore, a proven track record of successful collaboration in international research teams, with industry, or across research disciplines is a plus.

The professorship is expected to strengthen the Hessian Center for Artificial Intelligence and TU Darmstadt’s Human Science department’s research focus on Cognitive Science, which belongs to one of the three distinguished research fields of Technical University of Darmstadt (Information + Intelligence). The current faculty at both the Hessian Center for Artificial Intelligence and the Centre for Cognitive Science maintain numerous vibrant collaborations and are jointly involved in several cluster projects, including “The third Wave of AI” and “The Adaptive Mind”.

Depending on the candidate’s profile there is the opportunity to participate in joint research projects currently running at TU Darmstadt. This in particular includes the state funded cluster projects “The Adaptive Mind (TAM)” ( <https://www.theadaptivemind.de/>) and “The Third Wave of Artificial Intelligence (3AI)” ( <https://hessian.ai/projects/3ai-the-third-wave-of-ai/>).

In addition to excellent scientific credentials, we seek a strong commitment to teaching in the department’s Bachelor and Masters programs in Cognitive Science. Experience in attracting third-party funding as well as participation in academic governance is expected.

Technical University of Darmstadt is an autonomous university with broad excellence in research, an interdisciplinary profile, and clear focus areas in engineering sciences and

information and communication technology. The professorship is a full professorship on a permanent basis. A prerequisite for applying is that additional academic achievements must be present; in general, the doctorate should be more than three years old at the time of application.

The position will be remunerated in line with the German “W-Besoldung” and subject to negotiations between the applicant and the university management in accordance with his/her experience and qualifications. The regulations for employment are specified under §§ 67 and 68 HessHG (Hessisches Hochschulgesetz).

Technical University of Darmstadt intends to increase the number of female employees and encourages female candidates to apply. In case of equal qualifications, applicants with a degree of disability of at least 50 or equal will be given preference. Technical University of Darmstadt is certified as a family-friendly university and offers a dual career program.

Please submit applications with the usual attachments (CV including research and teaching achievements, list of publications, scans/copies of diplomas) as well as a research and teaching statement, quoting the code number 380, to the Chair of the Department of Human Sciences, Prof. Dr. Josef Wiemeyer ([dekanat@humanw.tu-darmstadt.de](mailto:dekanat@humanw.tu-darmstadt.de)).

For further information or questions please contact Prof. Constantin Rothkopf, PhD, email [constantin.rothkopf@tu-darmstadt.de](mailto:constantin.rothkopf@tu-darmstadt.de).

By submitting your application, you agree that your data may be stored and processed for the purpose of filling the vacancy. You can find our privacy policy on our webpage.

Application deadline: October 1st, 2023.