

Postdoctoral Researcher Position: Probabilistic & Causal AI for Agentic Systems (m/f/d), 100%

Join the [Probabilistic AI \(PAIR\) group](#) at the newly founded [Thurgau Institute for Digital Transformation \(TIDIT\)](#) in Kreuzlingen, Switzerland. We are looking for a motivated researcher to help shape the methodological foundations of reliable and interactive AI systems.

At the [PAIR group](#), we bridge the gap between foundational AI research and real-world impact. Our research focuses on developing tailored probabilistic, statistical, and causal methods and integrating them into transparent Agentic Systems. We offer a unique culture that combines academic excellence with a dynamic startup spirit. Our institute is located at a beautiful lakeside campus in Kreuzlingen, fostering a vibrant, interdisciplinary environment.

Your research focus topics will include (but are not limited to):

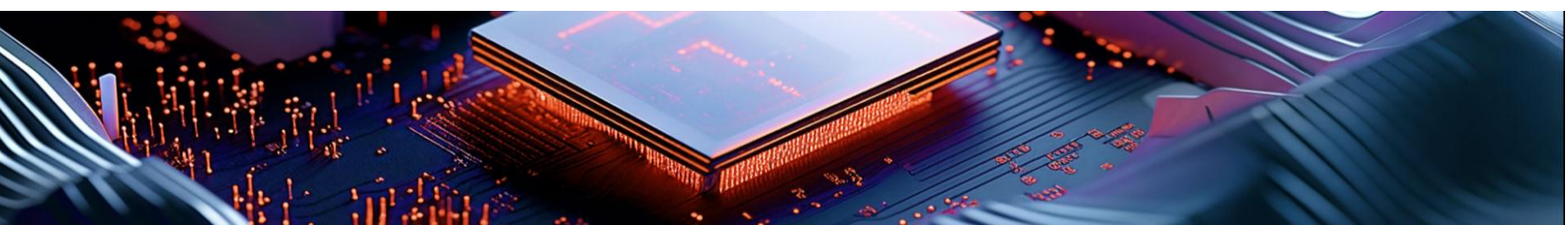
- **Probabilistic Modeling:** Developing robust prediction models that remain valid across heterogeneous data sources and environments.
- **Causal Inference & Discovery:** Advancing methods for individualized effect estimation and robust reasoning under uncertainty.
- **Reliable Agentic AI:** Designing AI agents that can interact with experts, providing traceable and evidence-based decision support.

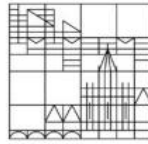
We are currently inviting applicants with:

- PhD in Computer Science, Statistics, Data Science, or a related quantitative field.
- Strong publication record.
- Expertise in Probabilistic Graphical Models, or Causal Inference, or LLM-based reasoning systems.
- Proficiency in programming (e.g., PyTorch) and a commitment to high-quality, reproducible research.
- Collaborative mindset with the ability to work effectively in an interdisciplinary team.
- Fluency in English (written and spoken); German is a plus.

What we offer:

- **Collaborative Work Model:** Join our team-oriented culture at TIDIT's lakeside campus with flexible hybrid work options (including 1 day per week home office).
- **Vibrant regional network:** Benefit from close ties to the University of Konstanz, and HTWG Konstanz and University of Zurich.
- **Leisure:** Enjoy the vibrant student life in the city of Konstanz and the outdoor activities at Lake Constance, such as sailing, hiking, and skiing.
- **Swiss PhD Salary** and funding for conference travel.





We look forward to your **CV** to info@tidit.ch. Please submit all documents as a single PDF file with a subject line: **Postdoctoral Researcher Position: Probabilistic & Causal AI for Agentic Systems**. Applications will be reviewed on a rolling basis, with no fixed deadline, so early submission is encouraged.

For questions feel free to contact Prof. Dr. Beate Sick, beate.sick@tidit.ch.

