

We invite applications for a **3-year PhD or Postdoctoral position in Philosophy of AI** at the University of Tübingen, Germany, to work on the project

### **Complexity Reduction, Explainability and Interpretability (KEI)**

**(m/w/d; E13 TV-L, 73%, 36 mo., ideal start: 01.04.2024)**

funded by the Heidelberg Academy of Sciences and Humanities (HAdW).

The position is limited to 3 years. The project was elected as part of the College's 9th season entitled "Complexity Reduction: Principles, Methods and Challenges" and is thereby part of an interdisciplinary consortium with other funded projects.

The office of the successful candidate is intended to be at the AI building in Tübingen, within the Ethics and Philosophy Lab of the Cluster of Excellence *Machine Learning for Science* (ML Cluster), in the direct vicinity of several renowned institutions, including the Tübingen AI Center and Max-Planck-Institute for Intelligent Systems.

The project is also in collaboration with the SimTech Cluster of Excellence "Data-Integrated Simulation Science" at the University of Stuttgart through Dr. Klopotek, head of the group *Many-Body Simulations and Machine Learning*. It will thus also be associated with the Stuttgart Research Focus: *Interchange Forum for Reflecting on Intelligent Systems*.

Project description: <https://www.hadw-bw.de/junge-akademie/win-kolleg/komplexitaetsreduktion/KEI>

HAdW WIN-Kolleg: <https://www.hadw-bw.de/en/young-academy/win-kolleg/complexity-reduction>

#### **Offer**

- \* The elected applicant will be supervised by and work with PD Dr. Eric Raidl
- \* The contract will lie formally at the HAdW
- \* The position shall be embedded in the Ethics and Philosophy Lab, and affiliated with the ML Cluster
- \* The elected applicant will also work in close exchange with the physics part of the KEI-project, directed by Dr. Miriam Klopotek (University of Stuttgart, SimTech)
- \* Travel budget
- \* Costs for a laptop are covered

#### **Responsibilities**

- \* Research and publication in Philosophy of AI in close collaboration with PD Dr. Eric Raidl
- \* Support of PD Dr. Eric Raidl in research- and project- related tasks (communication, workshop organization, WIN-Kolleg meetings, etc)
- \* Teaching is not mandatory but possible

#### **Profile Requirements for the PhD Position**

- \* Excellent Master in philosophy, logic, or physics (or both)

- \* Strong background in philosophy of science, philosophy of AI, epistemology, or physics
- \* Knowledge of the topics of Explainable AI and Complexity (e.g., computational and algorithmic complexity, statistical physics)
- \* Proficiency in English and German
- \* Excellent organizational and communication skills
- \* Experience in interdisciplinary discussion with scientists
- \* Personal responsibility and ability to cooperate

#### **Profile Requirements for the Postdoc Position**

- \* Excellent PhD in philosophy of AI, or philosophy of science, or philosophy of physics, or in logic
- \* Two publications (published or accepted)
- \* And the above-mentioned Profile Requirements for the PhD Position.

Please apply with the following documents – cover letter, CV (maximally 2p each), copies of certificates, list of publications, and 1 written work for the PhD and 1 publication for the Postdoc Position – as a **single PDF**; not exceeding 5 MB, to [aite@wsii.uni-tuebingen.de](mailto:aite@wsii.uni-tuebingen.de) and in cc [eric.raidl@uni-tuebingen.de](mailto:eric.raidl@uni-tuebingen.de) by **February 15, 2024**. In your cover letter, specify how your work and competences fit into the project. Incomplete applications will not be considered. Questions should be directed to [eric.raidl@uni-tuebingen.de](mailto:eric.raidl@uni-tuebingen.de). **Interviews** are planned for the **end of February**.

The HAdW and the university seek to raise the number of women in research and teaching and therefore urges qualified women academics to apply for these positions. Equally qualified applicants with disabilities will be given preference.