The Bonn-Aachen International Center for Information Technology at the University of Bonn invites applications for a

Full-Time Postdoctoral Researcher (E13 100%) in Natural Language Processing and Machine Learning

For doing cutting-edge research in the area of AI robustness and safety.
The position is foreseen to start from October 1, 2023 for the duration of 2 years.

You will be part of the international research group Data Science and Language Technologies of **Prof. Dr. Lucie Flek**, conducting independent research on the cross-disciplinary collaborative project "AI Safety", funded by the Federal Ministry of Education and Research (BMBF).

This exciting opportunity is a chance to work on adversarial robustness, safety and explainability in machine learning, applied to modern LLMs. This position will involve close collaboration with the Lamarr Institute for Machine Learning and Artificial Intelligence, the Fraunhofer Institute for Intelligent Analysis and Information Systems (IAIS) and the OpenGPT-X initiative (https://opengpt-x.de/). The candidate will have a central role in a project aiming to advance the state-of-the-art in the robustness and generalization capabilities of LLMs. The appointment for this position is for 24 months, starting as soon as possible.

The University of Bonn with its 200-year history is one of only 11 German Universities of Excellence and the only German university with six Clusters of Excellence, producing more winners of the Nobel Prize and Fields Medal than any other German university. The Bonn-Aachen International Center for Information Technology (b-it) and The Lamarr Institute (https://lamarr-institute.org/) are among Europe's leading institutions for cutting-edge research and education in informatics, developing high-performance, trustworthy, and resource-efficient applications of Machine Learning (ML) and Artificial Intelligence (AI).

Your profile

You are self-motivated, reliable, creative, can work independently, can discuss/write/present scientific results in English, and want to do excellent research on challenging scientific problems with practical relevance. You have a strong background in Computer Science with a specialization in Machine Learning or Natural Language Processing, and a corresponding publication record in global AI/ML/NLP venues. Demonstrable excellent python programming skills, e.g. through previous projects, and knowledge of current neural network models and implementation tools for neural networks (e.g., PyTorch) are expected.

The position assumes you will be eligible for moving to Bonn or a nearby German location. It is currently not possible to provide remote employment opportunities that would allow you to work from another country.

University of Bonn wishes our staff to reflect the diversity of society and thus welcomes applications from all qualified candidates from underrepresented groups.

Application procedure

Your application, in English, must be submitted electronically to **flek@bit.uni-bonn.de** and must include the following documents in PDF format:

- Motivated letter of application (max. one page)
- CV incl. education, experience, language skills and other skills relevant for the position
- Diplomas and transcripts of records
- PhD certificate or an expected defense timeframe and an abstract of your PhD topic
- Publication list
- Other information to consider: References and recommendations (if available)

The deadline for submitting the applications is **August 13th, 2023**.
Optional reference letters can be provided at a later stage.