



## Job Announcement

Young, modern, and research-oriented... the University of Potsdam has firmly established itself within the scientific landscape since its founding in 1991. Nationally and internationally renowned scientists teach and perform research here at Brandenburg's largest university. The University of Potsdam is successful in acquiring third-party funds, delivers outstanding performance in technology and knowledge transfer, and has a very service-oriented administration. With about 22,000 students studying at three campuses – Am Neuen Palais, Griebnitzsee and Golm – the University of Potsdam is a prominent economic factor and engine of development for the region. The University of Potsdam has a total of over 3,000 faculty and staff members and is located in one of Germany's most scenic areas.

The **University of Potsdam, Institute of Computer Science, Chair Design and Test Methodology** invites applications for the following position in a BMBF project **“Brandenburg / Bayern Action for AI Hardware Topics in University Curriculum (BB-KI Chips)”**:

### Academic Staff Member Requisition No.: 405/2021

The position will be filled as soon as possible. The salary is determined by the collective bargaining agreement for public employees in Germany (TV-L 13). The position is for 40 hours per week (100 % of a full-time contract). This is a temporary position limited to a term of four years in accordance with Section 2 subsection 1 of the Fixed-Term Employment Contracts in Science and Research Act (WissZeitVG). A PhD degree can be pursued and will be highly encouraged.

#### Responsibilities:

The following topics and tasks are to be dealt with:

- Efficient hardware implementation of AI algorithms
- Chip and FPGA design and test of the AI hardware architectures
- Integration of developed hardware in project relevant applications
- Preparation, supervision and implementation of student projects, internships and other project initiated lecturing activities

#### Qualifications:

- master's degree in Electrical Engineering, Computer Engineering or a comparable field
- it is desirable that the candidate has a strong background and excellent knowledge on digital circuit architecture and design
- moreover, a background in Machine Learning, and hardware architectures for AI is highly valued
- practical experience in ASIC implementation, and front-end and back-end ASIC/FPGA design flow and tools (such as Cadence and Synopsys) is appreciated
- Skills in the following programming/specification languages are essential: VHDL or Verilog, and, C or C++.
- industrial experience would be an advantage.
- very good oral and written skills in English are mandatory.

We offer you varied and challenging tasks in a dynamic team as well as attractive working conditions. Find out more about the wide range of offers and benefits for our employees on the internet at <https://www.uni-potsdam.de/de/arbeiten-an-der-up/>. For further insights into the University of Potsdam, please visit our homepage at <https://www.uni-potsdam.de/en/>. Prof.

Milos Krstic will be happy to provide you with further information regarding the job advertisement via e-mail [milos.krstic@uni-potsdam.de](mailto:milos.krstic@uni-potsdam.de).

Under the laws of the federal state of Brandenburg, employees under this contract are permitted to dedicate at least 33% of their contract time to their own academic qualification.

The University of Potsdam aims to increase the proportion of women in research and teaching and therefore invites qualified female applicants to apply. The University of Potsdam values the diversity of its members and pursues the goals of equal opportunities regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, sexual orientation or identity. In the case of equal suitability, women within the meaning of Section 7 (4) BbgHG (Brandenburg Higher Education Act) and people with severe disabilities will be given preferential consideration. Applications from abroad and from persons with a migration background are expressly welcome.

**Applicants should send their application materials, by December 31, 2021 at the latest, via email to [milos.krstic@uni-potsdam.de](mailto:milos.krstic@uni-potsdam.de) with the subject line, "Job Title – requisition number 405/2021."**

Potsdam, 24.11.2021