

The **University of Potsdam, Faculty of Science, Institute of Computer Science** invites applications for a joint professorship under the Jülich Model with the **Fraunhofer Institute for Telecommunications Heinrich Hertz Institute Berlin (HHI)** to be filled as soon as possible:

Professorship (W 2) for Architectures of Embedded Systems for Signal Processing

The professorship is associated with the management of a research group at the Fraunhofer Heinrich Hertz Institute.

The Fraunhofer Heinrich Hertz Institute is one of the world's leading research institutes for mobile and stationary communication networks and for media technologies of the future. It has consistently aligned its areas of expertise with current and future market and development requirements.

The future holder of the professorship Architectures of Embedded Systems for Signal Processing is to represent this field in research and teaching, have an outstanding scientific track record in the field of embedded systems, and have several years of successful research and development experience.

The future professor is expected to have internationally renowned expertise in one or more of the following research areas

- Embedded systems for real-time digital signal processing
- Design and analysis of digital video signal processing algorithms
- Efficient hardware architectures of video signal processing, in particular video data compression
- HW/SW co-exploration methods with special regard to real-time signal processing
- Dedicated, energy-efficient and distributed hardware architectures for machine learning methods

Furthermore, relevant experience in leading a research group and in the acquisition of third-party funding is expected. Preference will be given to candidates with experience in industrial research.

A teaching obligation of two hours per week for the Institute for Computer Science at the University of Potsdam is part of the appointment to the professorship under the Jülich Model. Non-German speakers are expected to acquire a working knowledge of German within the first three years of their appointment.

For further information, please contact Prof. Dr. Torsten Schaub (torsten@cs.uni-potsdam.de) and Prof. Dr. Thomas Wiegand (thomas.wiegand@hhi.fraunhofer.de).

The hiring process is subject to the requirements set forth in Section 41 subsection 1 no. 1–3, 4a and 4c of the Brandenburg Higher Education Act (BbgHG). The appointment procedure is conducted in accordance with Section 40 BbgHG.

The University of Potsdam and the HHI aim to increase the proportion of women in research and teaching and therefore expressly invite qualified female candidates to apply. The University of Potsdam and the HHI value the diversity of their members and pursue 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 in accordance with Section 7 (4) BbgHG and people with a severe disability will be given preferential consideration. We explicitly invite applications from abroad and from persons with a migration background.

The University of Potsdam offers dual career support and coaching for newly-appointed professors: www.uni-potsdam.de/arbeiten-an-der-up/appointments

Please submit your application (including a presentation of your research interests, curriculum vitae, copies of academic certificates and documents, list of publications, list of courses taught, teaching evaluations, list of externally funded projects) via e-mail to ausschreibungen@uni-potsdam.de (in a single PDF file) within four weeks of the publication of this advertisement.

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