



The Computer Science Institute at the Faculty of Mathematics and Natural Sciences of the University of Bonn, Germany, invites applications for a

W1-Professorship (Tenure Track W2) for Embedded Visual Computing

starting as soon as possible.

The institute is looking for excellent candidates holding a doctoral degree who are about to establish their own research agenda, complementing our current activities in the areas of Visual Computing, Artificial Intelligence, Intelligent Systems, and Robotics.

Applicants must have demonstrated scientific excellence in at least one of the following areas:

- Deep learning for visual computing
- Parallel architectures for visual learning or inference
- Embedded systems for visual perception or display
- Energy-efficient computing
- Edge computing
- Novel computing paradigms, such as computing with stochastic elements or neuromorphic computing.

The successful candidate has a strong publication record. It is expected that the successful candidate actively participates in collaborative research initiatives of the Computer Science Institute. Initial teaching duties are four hours per week during lecture periods, e.g., in our English Master Computer Science programme.

The initial employment of three years will be extended for three more years after a positive intermediate evaluation. After successful tenure evaluation, the position will be permanent with W2 denomination. This professorate is funded by the [Tenure Track Program of the German Federal Government and the Federal States](#). Awarding tenure is not subject to a vacancy at the time when the fixed-term contract of the tenure-track position expires. This call is aimed at early-career researchers. Candidates must have changed universities following the doctorate or have been working in academic research outside of the University of Bonn for at least two years prior to applying. Formal requirements are defined by § 36 of the Higher Education Act of North Rhine-Westphalia (*Hochschulgesetz Nordrhein-Westfalen*). Regulations on tenure track at the University of Bonn and further information on tenure track professorates at the University of Bonn are available at https://www.uni-bonn.de/research/argelander-program/after-your-doctoral-studies/tenure-track?set_language=en

The University of Bonn actively supports diversity and equal opportunities. The University of Bonn has been certified as a family-friendly university and has a dual career service. Its aim is to increase the proportion of women in those fields in which women are underrepresented and to place a special focus on promoting their careers. Therefore, the university specifically requests applications from suitably qualified women. Applications will be handled in accordance with the Equal Opportunities Act of North Rhine-Westphalia. Applications from suitably qualified people with severe disabilities that have already been verified or from people with an equivalent status will be particularly welcomed.

Applicants are asked to send their applications, including a CV with list of ten most important publications, full list of publications, research statement, teaching statement, and copies of degree certificates, as one PDF file to fachgruppe@informatik.uni-bonn.de.

Applications received by **September 15, 2020** are guaranteed full consideration.

**Evaluation Criteria for the W1 Professorship (Tenure Track W2)
Embedded Visual Computing**

- Publications in high-ranking computer science conferences or journals as first or last author
- Acquisition of third-party funding amounting to at least 36 person months with German Research Foundation (DFG), Federal Ministry of Education and Research (BMBF) or European Union
- successful conception and establishment of courses in the field of embedded visual computing
- adequate participation in academic self-government