The **University of Bonn** is an international research university offering a broad range of subjects. With a 200-year history, some 33,000 students, more than 6,000 employees and an outstanding reputation in Germany and abroad, the University of Bonn is one of the leading universities in Germany and has been awarded the status of a University of Excellence.

The Institute for Computer Science is looking to fill the following position **as soon as possible**, initially on a fixed-term contract until **31. Oct. 2026**:

Post-Doc (100%) in Character Stylization and 3D Graphics

The research group 4D Reconstruction is looking for a post-doc interested on developing algorithms on (semi-)automatic stylization of 3D characters. Under certain conditions, the position can be re-framed to 4D data post-processing in the context of digital avatars. A student assistant position is available to directly support you.

Your tasks:
- Push the boundaries of character stylization from images or 3D scans – Possible solutions can involve deep learning, generative AI or by building geometry processing pipelines with digital artists in the loop.
- Work towards a startup spinoff or a research career
- Collaborate with researchers working on 3D reconstruction, digital doubles or VR based training and perception
- Design lectures for an interdisciplinary curriculum

Your profile:
- Experience in geometry processing or machine learning with a focus on characters
- Self-driven personality, capable to work largely independent
- A PhD or at least a submitted thesis before the starting date
- Publications, ideally on top venues for computer graphics or computer vision (SIGGRAPH, Eurographics, CVPR, ICCV, etc.)
- Proficient in C++ or Python
- Fluent in English, proficiency in German is a plus
- Basic understanding of character design or drawing skills are a plus
- Experience with commercial 3D software (e.g. Unreal Engine, Maya) is a plus

We offer:
- Facilities equipped with modern hardware, including GPU clusters, motion capturing, diverse VR equipment and multi-view capturing systems
- Dedicated student assistant on the project
- Extensive personal development and coaching program
- company pension scheme (VBL), numerous offers of university sports,
- very good transport connections or the possibility to use inexpensive parking facilities,
- Family friendly working place, including several daycare options for small children
- Renumeration in accordance to TV-L pay grade 13

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. The University of Bonn seeks to increase female representation in staffing areas where women are underrepresented and provide special career support. Accordingly, the University of Bonn expressly encourages qualified women to apply. Applications will be handled in accordance with the NRW State Gender Equality Act. Applications from qualified candidates with a certified severe disability or from those of equal status are especially welcome.

If you are interested in this position, please send your complete application by email to ezell@uni-bonn.de by **April 5, 2024**, quoting reference **33/2024/06**. For technical reasons, applications may only be submitted as a single PDF file. Please do not hesitate to contact Dr. Eduard Zell (ezell@uni-bonn.de) for more information.