The Computer Graphics and Geometry Processing Group offers a full-time research position starting as soon as possible (E13 TV-L, non-permanent position)

Your Tasks

The Computer Graphics and Geometry Processing Group at Bielefeld University (Germany) is looking for a research associate for a three-year collaboration project with the Honda Research Institute Europe (Offenbach, Germany). In this project we will investigate adaptive and sparse representations for geometric objects, aiming at efficient and intuitive shape analysis, synthesis, and manipulation of geometric surfaces. Including sparse representations in this context should eventually lead to a better design understanding and enable a collaborative design process.

The successful candidate will work at Bielefeld University most of the time, but will also spend several weeks per year at the Honda Research Institute in Offenbach, in order to foster collaboration and provide interesting insights into the research environment of the Honda Research Institute Europe.

Your Profile

We expect
- Master's degree in computer science, applied mathematics, or a related field
- very good knowledge of geometric modeling with continuous and discrete surface representations
- good background in applied mathematics, in particular in differential geometry and numerical optimization
- independent, self-reliant, and dedicated style of work
- good organizational and communication skills
- ability to cooperate and work in a team

Preferable qualifications
- good knowledge of computer graphics
- good knowledge of machine learning
- good command of English, written and oral

Remuneration

Salary will be paid according to Remuneration level 13 of the Wage Agreement for Public Service in the Federal States (TV-L). As stipulated in § 2 (1) sentence 1 of the WissZeitVG (fixed-term employment), the contract will end after three years. In accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases. The employment is designed to encourage further academic qualification. In principle, this full-time position may be changed into a part-time position, as long as this does not conflict with official needs.

Bielefeld University is particularly committed to equal opportunities and the career development of its employees. It offers attractive internal and external training and further training programmes. Employees have the opportunity to use a variety of health, counselling, and prevention programmes. Bielefeld University places great importance on a work-family balance for all its employees.

Application Procedure

For full consideration, your application should be received via either post or email (a single PDF) document sent to skoelsch@techfak.uni-bielefeld.de by the 11th of May 2018. Please mark your application with the identification code: wiss18077. Please do not use application portfolios and send only photocopies of original documents because all application materials will be destroyed at the end of the selection procedure. Further information on Bielefeld University can be found on our homepage at www.uni-bielefeld.de.

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Bielefeld University has received a number of awards for its achievements in the provision of equal opportunity and has been recognized as a family friendly university. The University welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in Information Technology and Trades and Craft. Applications are handled according to the provisions of the state equal opportunity statutes. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.