PhD position

University of Bremen, Department of Computer Science, Group of Computer Architecture

The University of Bremen is a mid-sized university with 290 professorships and 20,000 students, offering a broad range of disciplines and producing internationally competitive top-level research. With an ambitious strategy the university was successful in the German Excellence Initiative. The Group of Computer Architecture is internationally renowned for its research in the field of formal circuit design methodology as well as verification and testing techniques.

The University of Bremen invites applications for a PhD position within the Group of Computer Architecture – under the condition of job release

(Reference-No. A41/16)

The full time position will be appointed for three years starting as soon as possible in 2016. The salary is fixed by the German pay grade system for public services (pay grade EG 13 TV-L). The PhD candidate will be offered scientific guidance by a supervisor. The University of Bremen Welcome Centre supports international PhD candidates in all matters related to their stay at the University of Bremen.

The PhD position is funded by the DFG and offered in the field of hardware testing and Design-for – Test (DFT) techniques for digital circuits. In particular, the field of power-aware test is addressed. Close cooperation with an industrial partner is possible.

Candidates should hold a Master’s degree in computer science, electrical engineering or a related field. The candidate should ideally possess the following qualifications:

- Circuit design techniques, preferably circuit power consumption
- Search algorithms or formal solving engines, e.g. ATPG, Boolean Satisfiability
- Programming skills in C/C++ and scripting language
- Experience in the use of EDA (Electronic Design Automation) tools, e.g. DFT, simulation, test generation
- Fluent English language skills (reading, writing, speaking)

The University of Bremen aims at increasing the number of women in science and therefore explicitly encourages applications from female candidates. Disabled persons will be given preference in case of equal qualification. Applicants with a migration background are welcome.

Further enquiries can be addressed to: segg@informatik.uni-bremen.de.

Applications including curriculum vitae, copies of diplomas and further material if available (e.g. a list of publications, references) must be sent until Mai 1st, 2016 to:

Dr. Stephan Eggersglüß
University of Bremen
Fachbereich 03
Bibliothekstr. 1 (MZH)
28359 Bremen, Germany

or in electronic form to:
segg@informatik.uni-bremen.de