

The Carl von Ossietzky University of Oldenburg, Germany, offers

5 Research Positions for PhD Candidates

in the Research Training Group

SCARE—System Correctness under Adverse Conditions <http://scare.uni-oldenburg.de>

funded by the German Research Foundation (DFG GRK 1765). The positions at the Department of Computing Science are available from **October 1, 2014**, for a duration of initially one year (with the possibility of a two-year extension). These positions constitute the third and last of the annual cohorts of SCARE.

SCARE addresses computerized systems cooperating with their environment. System correctness requires that this cooperation satisfies desired behavioral properties. SCARE investigates system correctness under adverse, only partially predictable conditions which can influence the behavior of the system, the system context, and the assumptions made for verifying correctness. SCARE considers three aspects of adverse conditions, both individually and in their combination: limited knowledge, unpredictable behavior, changing system environment and system structure. SCARE aims at notions of system correctness that guarantee robustness of the system behavior under such adverse conditions. For the doctorands SCARE offers:

- a full salary in the E13 TV-L public sector pay scale – initially 3270 Euro/month before tax (status of April 2014);
- research positions enabling the doctorands to concentrate on their PhD projects;
- a cooperative and supportive research environment;
- supervision by two expert professors;
- support for traveling and conferences;
- regular visits of invited guest researchers;
- a full spectrum of opportunities for knowledge acquisition;
- support for equal opportunities in science.

Successful applicants for the research programme should have an excellent Master's degree or equivalent in Computer Science or a closely related discipline, fluency in English, and an interest in exploring new notions of system correctness. We expect a strong background in formal methods, e.g., automata models and logic. Qualified candidates who have not yet completed their master are also encouraged to apply.

We invite applications with a CV, a detailed statement of interest in SCARE, transcripts of the records summarizing the candidate's academic performance, and names of two references in pdf format to

SCARE@uni-oldenburg.de by June 15, 2014.

The Carl von Ossietzky University of Oldenburg seeks to increase the proportion of women in science. Therefore, women are strongly encouraged to apply for the offered positions. According to §21,3 NHG (the law governing universities in the German state of Lower Saxony) female applicants with equal qualification will be preferred. Disabled persons with equal qualifications will be given preference.

DER DEKAN **Prof. Dr. Martin Fränzle**

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