PhD Student in Systems-oriented Network Research

Application deadline: rolling, until position is filled

We are looking for a talented graduate of Computer Science, Electrical Engineering, or related studies who wants to pursue his or her studies with a PhD at the Dept. of Computer Science, University of Paderborn. The position is within the Distributed Embedded Systems group headed by Prof. Falko Dressler and funded by the BMBF project EWI.

The candidate is expected to contribute to the ongoing research activities in the fields of low power communication with a strong focus on wake-up receivers and 802.11 WLAN. This includes development of a hardware prototype and the evaluation of communication protocols using simulation techniques.

For more information, please refer to our web site at http://www.ccs-labs.org/ and the following publications:

- Johannes Blobel, Jannis Krasemann and Falko Dressler, "An Architecture for Sender-based Addressing for Selective Sensor Network Wake-Up Receivers," Proceedings of 17th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM 2016), Coimbra, Portugal, June 2016.
- Johannes Blobel and Falko Dressler, "Sender-Triggered Selective Wake-Up Receiver for Low-Power Sensor Networks," Proceedings of 36th IEEE Conference on Computer Communications (INFOCOM 2017), Demo Session, Atlanta, GA, May 2017.

Successful candidates are expected to contribute to research projects and teaching as active members of a young team. In return, we provide a relaxed and inspiring working atmosphere allowing you to address interesting and challenging research problems.

The position will be filled as soon as possible for two years with an option to be extended to five years. Salaries will be according to the TV-L E13 system.

Applicants should have earned, or should be about to earn, an M.Sc. degree in computer science, electrical engineering, or in a related area, and have demonstrated prior achievements in any of the above areas.

All applicants should possess good written and oral communication skills in English, a strong mathematical background, and programming experience. Enthusiasm for leading-edge research, a mix of creativity and persistence, and team spirit are essential.

Interested applicants should send a letter of motivation, a curriculum vitae, scanned transcripts and diplomas, and contact information of at least two references electronically to Prof. Falko Dressler <info@ccs-labs.org> using the subject line "PhD Application EWI".