



PhD Student in Network Monitoring

Application deadline: September 30, 2018

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 DFG project PANDA.

The candidate is expected to contribute to the ongoing research activities in the fields of **high-speed network monitoring for distributed intrusion detection** with a strong focus on **flow-based monitoring using IPFIX**.

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

- Felix Erlacher and Falko Dressler, "How to Test an IDS? GENESIDS: An Automated System for Generating Attack Traffic," Proceedings of ACM SIGCOMM 2018, Workshop on Traffic Measurements for Cybersecurity (WTMC 2018), Budapest, Hungary, August 2018.
- Felix Erlacher and Falko Dressler, "FIXIDS: A High-Speed Signature-based Flow Intrusion Detection System," Proceedings of IEEE/IFIP Network Operations and Management Symposium (NOMS 2018), Taipei, Taiwan, April 2018.

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 Network Monitoring" by September 30, 2018.