

Postdoc on evaluation of security monitoring

Position type: Post-doctoral Fellow

Functional area: Rennes

Research theme: Networks, Systems and Services, Distributed Computing

Project: CIDRE

Scientific advisor: Ludovic Mé

Application deadline: 31th October 2017

The CIDRE research team (<https://team.inria.fr/cidre>) is seeking excellent candidates interested in applying for a fixed-term full-time (2 years) researcher position at Inria. The position will be filled as soon as a suitable candidate is found – we recommend applying as soon as possible and no later than October 2017. Expected starting date: fall 2017. The candidate must have a PhD degree in Computer Science. Experiences in the field of intrusion detection and evaluation are mandatory. There are no age or nationality conditions.

Mission

Security monitoring is a security mechanism that is needed to defend IT systems. Many research and industrial projects designed solutions to detect intrusions. However the methodology and the measures used to evaluate their solutions are not clearly defined. Moreover, either the datasets used to evaluate the solutions are private or they are old and not representative of today normal and malicious activities (like the DARPA dataset). The objective of this project is to design a clear methodology to evaluate security monitoring solutions and to design an evolutive platform to generate new datasets for security monitoring evaluation.

Location

CIDRE is a joint team with Inria, CNRS, University of Rennes 1, and Centrale-Supelec. It is an IRISA team belonging to the department “large scale systems”. The research fields of the CIDRE team focus mainly on the two following topics: Intrusion Detection and Privacy Protection.

Rennes is the capital city of Brittany, in the western part of France. It is easy to reach thanks to the high-speed train line to Paris. Rennes is a lively city and a major center for higher education and research. The job will take place within the Inria/IRISA research center, which is internationally recognized for its research in the domain of information and communication sciences.

Application

Potential candidates must get in touch with CIDRE team before applying for the position. Upon common agreement about the interest of the application, advice and guidance for the application process will be provided. For further information, please contact Ludovic Mé (ludovic.me@inria.fr).