The chair for IT security (Prof. Dr. Claudia Eckert, I20) at the Faculty of Computer Science at the Technical University of Munich is offering a research position (2 years, extensions are possible) for a

PhD student / postdoctoral researcher

to start working on a research project at the earliest possible date.

We are looking for three motivated employees to work on the IUNO joint research project. This is a national reference project that aims to provide IT security in the industry 4.0 setting and is supported by the BMBF (German Ministry of Research). The goals of the IUNO project is to identify security requirements of interconnected manufacturing facilities, to develop security solutions in cooperation with research and industry partners that fulfill these requirements, and to test them within complex lab scenarios. The tasks at the Chair are focused on researching and testing innovative concepts, protocols, and services that guarantee system integrity by developing suitable isolation and monitoring approaches. In addition, research should focus on the development of novel attack prevention and detection techniques as well as the development of attack resistant architectures.

Job profile
You should have a master degree in computer science or a related field and possess strong knowledge in the area of IT security. Ideally you should also possess basic knowledge in the area of distributed embedded systems. You should also be willing to pursue academic work independently, as well as in a team. Finally, you have very good knowledge in either:
1. Hardware security, the Android or Linux operating system, embedded security, real-time systems, and virtualization
2. Machine learning, intrusion detection, forensic, and attack detection

If interested, the Chair is happy to support cooperation with the Fraunhofer Institute AISEC (Applied and Integrated Security) on this and related topics. Obtaining a PhD will be supported during the course of your employment.

Since the Technical University of Munich aims to increase the percentage of female employees, women are especially encouraged to apply. Additionally, disabled persons will be preferentially considered in case of equal qualification. Salary will be according to the German public service payment agreement (TV-L).

Please send your applications along with the usual documents electronically (ideally) or in hard copy to:

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