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The Department of Computer Science, Institute of Applied Cryptography (Prof. Dr. Sebastian Faust), is looking for you as

### **Research Associates (PhD) Applied Cryptography**

starting as soon as possible for the duration of 3 years with the option of prolongation.

The Department of Applied Cryptography deals with the development and analysis of cryptographic algorithms and protocols and their application in practice. Particular focus of current research is the security analysis of cryptographic implementations against physical attackers (side channel attacks, Trojans, etc.) and the development of blockchain protocols and their applications. For more information please go to [www.informatik.tu-darmstadt.de/cac](http://www.informatik.tu-darmstadt.de/cac).

We offer a professional work environment and provide many opportunities to work with international collaboration partners from academia and industry through our joint research projects. Opportunity for further qualification (doctoral dissertation) is given. The fulfilment of the duties likewise enables the scientific qualifications of the candidate.

#### **Your profile:**

- You completed a MSc study program in computer science or mathematics or a similar subject
- You are experienced in the field of cryptography and IT security  
You are fluent in spoken and written English
- You bring good knowledge about administration of IT systems You are highly motivated to publish your results, present them at international project meetings and conferences as well as to complete a PhD-thesis
- You bring excellent communication skills and enjoy working in interdisciplinary and international teams

The tasks include scientific services in research and teaching in close coordination with the team members.

The TU Darmstadt is an autonomous university with broad research excellence, interdisciplinary profile and clear emphases in engineering and information and communication technology. The Department of Computer Science is a top performer of the TU Darmstadt in research and teaching and in relevant nationwide rankings regularly in the top group to find.

The TU Darmstadt intends to increase the number of female employees and encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference. Wages and salaries are according to the collective agreements on salary scales, which apply to the TU Darmstadt (TV-TU Darmstadt).

Please send your applications with the reference number **209** to Prof. Dr. Sebastian Faust, [office.cac@cysec.de](mailto:office.cac@cysec.de), Department of Computer Science, FG Applied Cryptography, Mornewegstr. 32, 64293 Darmstadt. Please do not hesitate to contact Prof. Faust if you have any further questions.

**Application deadline: June 18, 2018**

**Reference number: 209**