

We're Hiring



TECHNISCHE
UNIVERSITÄT
DARMSTADT

Postdoctoral Researcher (Postdoc) in Cryptography and Privacy Engineering



The *Cryptography and Privacy Engineering Group* ([ENCRYPTO](https://encrypto.de)) at the [Department of Computer Science](https://www.cs.tu-darmstadt.de) of the [Technical University of Darmstadt](https://www.tu-darmstadt.de) offers a *full position* as postdoctoral researcher for doing cutting edge research in applied cryptography and in particular secure multi-party computation to be filled as soon as possible and initially until up to January 31, 2025.

What we do

Our mission is to demonstrate that privacy can be efficiently protected in real-world applications. For this, we *bring theory into practice* by using methods from applied cryptography and algorithm engineering to develop protocols, tools, and software prototypes that efficiently protect sensitive data in various applications.

Details: encrypto.de/topics

Why ENCRYPTO

We provide an *open and international working environment* for excellent research in a *sociable team*. TU Darmstadt is a *top research university* for [IT security and cryptography in Europe](https://www.tu-darmstadt.de) and [computer science in Germany](https://www.tu-darmstadt.de).

The position is based in the "City of Science" Darmstadt, which is very *international* and livable, and well-connected in the Rhine-Main area around Frankfurt. Knowledge of the German language is helpful, but not required, and TU Darmstadt offers a [Welcome Center](https://www.tu-darmstadt.de) and language courses.

We work in presence in a new building that opened in 2020 and from home office. TU Darmstadt offers a *free* ticket for public transport (Landesticket Hessen) in the whole state of Hesse.

What this job is about

As a postdoctoral researcher at ENCRYPTO, you do research, build prototype implementations, and publish and present the results at international top conferences and journals. You are involved in project management and co-advise doctoral researchers. You can participate in our teaching activities and supervise thesis students as well as student research assistants.

The full position is co-funded by the *ERC Starting Grant* "Privacy-preserving Services on the Internet" (PSOTI). In PSOTI, we build privacy-preserving services on the Internet, which includes designing protocols for privately processing data among untrusted service providers using secure multi-party computation for which we implement scalable frameworks.

Details: encrypto.de/PSOTI

Your profile

- Completed PhD degree (or equivalent) from a top university in IT security, computer science, applied mathematics, electrical engineering, or a similar field.
- Publications at top venues (CORE Rank A*/A) for IT security/applied cryptography (e.g., S&P, CCS, NDSS, USENIX Security, EUROCRYPT), ideally on cryptographic protocols and secure computation, are required.
- Experience in software development, project management, and supervising students is needed.
- You are self-motivated, reliable, creative, can work in a team, and want to do excellent research on challenging scientific problems with practical relevance.
- As the working language of the ENCRYPTO Group is English, you must be able to discuss/write/present scientific results in English, whereas German is not required for this position.

Apply now!

Start Date: as soon as possible.

Application deadline: none. Applications are evaluated continuously until the position has been filled.

Your application must consist of a **single PDF** including

- a letter of motivation (why are you interested and qualify for this position?),
- a curriculum vitae with publications and CORE rankings,
- certificates (PhD, M.Sc., B.Sc., and high-school diploma) with detailed transcripts of records and grades, and
- two letters of recommendation (or two references).

Please send your complete application to Prof. Dr.-Ing. Thomas Schneider (application@encrypto.cs.tu-darmstadt.de). If you have any further questions, please do not hesitate to contact him.

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 (100% E14 TV-TU Darmstadt).



Link to this document:
encrypto.de/POSTDOC



ENCRYPTO
CRYPTOGRAPHY AND
PRIVACY ENGINEERING



European Research Council
Established by the European Commission