

We're Hiring



TECHNISCHE
UNIVERSITÄT
DARMSTADT

Postdoctoral Researcher (Postdoc) in Cryptography and Privacy Engineering



The *Cryptography and Privacy Engineering Group* ([ENCRYPTO](https://crypto.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 in cryptography and privacy engineering* for the initial duration of up to 2.5 years.

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 for developing protocols, tools, and software prototypes to efficiently protect sensitive data in various applications.

Details: [encrypto.de/topics](https://crypto.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/en/research-topics/it-security-and-cryptography-in-europe) and [computer science in Germany](https://www.tu-darmstadt.de/en/research-topics/computer-science-in-germany).

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. Initially, no knowledge of German is necessary, and TU Darmstadt offers a [Welcome Center](https://www.welcome-center.de) and corresponding language courses.

What this job is about

As a postdoctoral researcher at ENCRYPTO, you do research, build prototype implementations, and publish and present the results at top conferences and journals. You are involved in project management and co-advise doctoral researchers. You 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 will build privacy-preserving services on the Internet, which includes designing protocols for privately processing data among untrusted service providers using secure multi-party computation and implementing a scalable framework.

Details: [encrypto.de/PSOTI](https://crypto.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 SEC, 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!

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., 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 (schneider@crypto.cs.tu-darmstadt.de). If you have any further questions, please do not hesitate to contact him.

Start Date: as soon as possible

Application deadline: none

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).



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ENCRYPTO
CRYPTOGRAPHY AND
PRIVACY ENGINEERING



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