

# PhDs (m,f,x), for 3 years with 39,83 hours per week, TV-L E13 Computer Security

Online seit 17.10.2024 | 2024-10-17-895240 | Wissenschaftliche:r Mitarbeiter:in

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## Stellenbeschreibung

The Chair of Computer Security at the Faculty of Computer Science is looking for two

### PhD Students (m,f,x) for 3 years with 39,83 hours per week, TV-L E12/13

The newly founded Chair of Computer Science at Ruhr University Bochum (RUB) unites all ongoing computer science activities in an interdisciplinary manner. The university has been a leader in IT security in Europe for over 20 years, and this expertise plays a central role in the new faculty. The Chair for Computer Security, led by Prof. Dr. Yuval Yarom, focuses on the security implications of the interaction between software and hardware, identifying vulnerabilities, and designing countermeasures.

The role involves researching novel techniques in the above mentioned field, aiming to publish in top international venues, expand the research network, initiate international collaborations, and develop independent research questions.

#### Your tasks:

- Research and development of novel techniques in the context of side-channel attacks and defenses
- Conducting quantitative and qualitative studies to evaluate security approaches
- Publication of research results in leading international venues
- optional: Teaching assistance for courses/seminars/projects of the group
- optional: Supervision of Bachelor and Master's students

lication process see: <https://www.ruhr-uni-bochum.de/en/information-collection-personal-data-application-process>.

**Please send your complete application documents (recent CV, a cover letter describing your motivation and suitability for the position, and a transcript of your academic records)**

in the form of A SINGLE PDF document (max. 10 MB) with the reference number ANR 3888 until 11.11.2024 to [csec@ruhr-uni-bochum.de](mailto:csec@ruhr-uni-bochum.de).

Please get in touch with the contact person named above if you would like to use an alternative application channel.

## Anforderungsprofil & Qualifikationen

### Your profile:

- Required: Master's Degree or a strong Bachelor Degree in Computer Science or related field
- Required: Excellent interpersonal and communication skills in English
- Desired: Background in microarchitectural side-channel attacks
- Desired: Experience with combinatorial optimization and evolutionary algorithms

### Our offerings:

- Challenging and varied tasks with a high degree of personal responsibility
- Team-orientated cooperation in a committed, international and appreciative team
- An agile way of working
- A modern, well-equipped workplace
- Employment at one of the largest universities in Germany within the University Alliance Ruhr

### Additional information:

At the request of the applicant (m,f,x), the staff council may be involved in selection interviews. <https://www.wpr.ruhr-uni-bochum.de/>

If the position is funded by third-party funds the employee has no teaching obligation.

German language courses are offered by the University Language Center (ZfA) in the field of German as a Foreign Language (DaF).

<https://www.daf.ruhr-uni-bochum.de/sbgk/index.html.en>

You can find information about TV-L at: <https://oeffentlicher-dienst.info/>

**The Ruhr-Universität Bochum is one of Germany's leading research universities, addressing the whole range of academic disciplines. A highly dynamic setting enables researchers and students to work across the traditional boundaries of academic subjects**

and faculties. To create knowledge networks within and beyond the university is RUB's declared aim.

The Ruhr-Universität Bochum stands for diversity and equal opportunities. For this reason, we favour a working environment composed of heterogeneous teams, and seek to promote the careers of individuals who are underrepresented in our respective professional areas. The Ruhr-Universität Bochum expressly requests job applications from women. In areas in which they are underrepresented they will be given preference in the case of equivalent qualifications with male candidates. Applications from individuals with disabilities are most welcome.

**Contact details for your application:**

Öznur Takil, Phone: +49234 32 28579  
Yuval Yarom, csec@ruhr-uni-bochum.de

Travel expenses for interviews cannot be refunded.

For information on the collection of personal data in the app

## Vorteile für Mitarbeitende

- Sport- und Freizeitangebote
- Weiterbildungsmöglichkeiten
- Vergünstigtes Jobticket
- Arbeitsplatz in lebendiger Metropolregion

## Stellenmerkmale

Beschäftigungsart	<b>Wissenschaftliche:r Mitarbeiter:in</b>
Beschäftigungsumfang	<b>Vollzeit (befristet)</b>
Home Office	<b>Nein</b>
Bewerbungslink	<a href="https://jobs.ruhr-uni-bochum.de/jobposting/f2a0d1daf5e47b1711c939dcec4a2fd8b2e3332a?ref=stellenwerk">https://jobs.ruhr-uni-bochum.de/jobposting/f2a0d1daf5e47b1711c939dcec4a2fd8b2e3332a?ref=stellenwerk</a>

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# Kontakt Daten

Firma/Hochschule

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Anschrift

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Kontakt

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Webseite

<https://uni.ruhr-uni-bochum.de/de/stellenangebote>