

Postdocs (2 years) (m,f,x)

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Stellenbeschreibung

Faculty of Computer Science :

Horst Görtz Institute for IT Security - The Cluster of Excellence CASA

In order to fill a **fixed-term position in full-time (39.83 hours/week = 100%) at the earliest possible date**, we are looking for several

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About CASA: The Cluster of Excellence "CASA: Securing the Digital Society" will be funded by DFG for the years 2026-2032 with approximately 43 million euros. CASA aims to strengthen the resilience of our digital society. The emergence of disruptive technologies in recent years, especially artificial intelligence and quantum computers, has caused substantial new challenges for cybersecurity research. In the second funding phase, CASA will specifically address these challenges. Thematic priorities include the security of quantum technologies, protection against AI-based disinformation and societal polarization, and new approaches to defending against ransomware. In addition to technical questions, it also investigates the interaction of human behavior and cybersecurity. Research at CASA, which is based at the Horst Görtz Institute for IT Security, follows a strongly interdisciplinary approach. Researchers from the fields of computer science, cryptography, electrical engineering, mathematics, and psychology work together in a unique constellation in Europe. This holistic approach is unparalleled and holds the potential for scientific breakthroughs.

Ruhr-University Bochum (RUB) and its Faculty of Computer Science offer an excellent environment for aspiring young researchers. Some 20 years ago, the Horst Görtz Institute for IT Security (HGI) was founded here. It is now one of Europe's most prestigious institutions for basic computer security research. The HGI maintains extensive networks with leading research institutions worldwide and with media and industry. Moreover, it has produced numerous successful security startups. The pioneering work of the HGI forms the basis for the Cluster of Excellence CASA.

Your tasks:

- Our goal is to attract postdoctoral researchers and enable them to conduct their research with the mentorship of a PI. We expect that within the duration of this

contract, candidates will be able to achieve independent achievements in research, e.g. through publications or joint research endeavours.

- Therefore, we are permanently looking for excellent candidates with outstanding doctoral degrees in computer science, electrical engineering, mathematics and psychology (preferably with a relationship to technology) or related disciplines.
- We offer two-year positions for postdoctoral candidates.

Anforderungsprofil & Qualifikationen

Your profile:

- An above-average doctoral degree in computer science, electrical engineering, mathematics, psychology (preferably with a relationship to technology) or related disciplines is mandatory for the application.
- Fluent spoken and written English is also required.
- In addition, applicants should have basic knowledge of one or more of the research areas relevant to CASA: Cryptography, system security, hardware security, decentralized security, human-centered security, AI and security.
- Postdoctoral students should already have published relevant papers at the leading conferences in cryptography and computer security research, as listed e.g. at <http://csrankings.org/>.

We offer:

- Excellent research environment with award-winning scientists,
- Programs designed to support parents,
- Support measures for women in IT security,
- Excellent support for doctoral researchers,
- Opportunities for academic and professional development,
- Budget for courses, conferences, equipment and international exchange,
- Open team culture.

Further information:

The position is salaried and based on the collective agreement of the Länder (TV-L). If the personal and collective agreement requirements are met, the employee will receive pay grade E13 TV-L.

Further information can be found at <https://oeffentlicher-dienst.info/> (in German).

The place of work is Ruhr University Bochum.

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

Required documents are: - Letter of motivation, - Mention at least 2 persons (supervisors, other researchers) as references (names and email addresses), - Curriculum vitae, - Doctoral certificate, Transcripts of Records (BA, MA).

RUB sees itself as a university with an international presence. The campus languages are German and English. Competence in at least one of the two languages and the willingness to learn the other are a prerequisite. RUB provides corresponding free courses for employees.

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>

The Staff Council has the right to participate in all selection interviews. At the request of a candidate (m/f/x), it will ensure its participation in the entire procedure. Please contact wpr@rub.de.

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 Ruhr-Universität Bochum'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 persons for further information:

Dr. Patrick Schulte , Tel.: +49 234 32 27722

Travel costs, accommodation costs and loss of earnings or other application costs for job interviews can unfortunately not be reimbursed.

We look forward to receiving your application via our **online application portal by 2026-02-02**. Please make sure to mention the reference number ANR 5206.

Vorteile für Mitarbeitende

- Vergünstigtes Jobticket
- Arbeitsplatz in lebendiger Metropolregion

Stellenmerkmale

Beschäftigungsart	Wissenschaftliche Stellen
Beschäftigungsumfang	Vollzeit (befristet)
Home Office	Nein
Bewerbungslink	https://jobs.ruhr-uni-bochum.de/jobposting/9c104ed188e80b7ff4f843b38879688d35c289d8?ref=stellenwerk

Kontaktdaten

Firma/Hochschule	Ruhr-Universität Bochum
Anschrift	Universitätsstraße 150 44801 Bochum
Kontakt	Dr. Patrick Schulte
Telefon	 +49234 32 27722
E-Mail	
Webseite	https://uni.ruhr-uni-bochum.de/de/stellenangebote

