Stellenausschreibung

The Computer Science Department at the Media Faculty at Bauhaus-Universität Weimar has a vacancy at the »Media Security« chair **at the next possible date** for the position of a

Research Assistant / PhD Student or Postdoctoral Researcher

with the aim of furthering their own scientific qualification. The position is initially limited to three years. An extension is possible according to the current regulations of the Fixed-Term Academic Contracts Act (WissZeitVG).

The scientific qualification is ideally in the field of symmetric cryptography. Research topics include, but are not limited to:

- Design and analysis of primitives for symmetric cryptosystems (e.g., block ciphers and hash functions)
- Design and analysis of algorithms for secret-key encryption, authentication, and authenticated encryption
- Quantum algorithms and their application in attacks on symmetric cryptosystems
- Design and analysis of hash-based signature schemes
- Language-theoretic security methods for the secure implementation of communication protocols

Knowledge in one or more of the above topics will be valuable.

Responsibilities:
- Participation in teaching, research and the university's self-administration
- Conducting bachelor- and English-language master courses
- Supervision of student projects and theses
- Research in the field of cryptography
- Assisting with external funding proposals and research projects

Hiring requirements:
- Successfully completed university studies (diploma, master or equivalent) in computer science or a closely related field
- An excellent track record in classes related to cryptography or quantum algorithms, or in general excellent results in mathematics and theoretical computer science
- Very good programming skills
- Very good knowledge of English, both written and spoken, for the performance of teaching and for writing scientific publications
- Willingness to imparting specialized knowledge to students, own familiarization with new research areas and to the presentation of scientific results at international conferences
- Good knowledge of German is an advantage for carrying out teaching
- Also beneficial is experience with the tools used by the working group (Linux, git, and LaTeX)

The position is also open for recently graduated postdocoral researchers. In that case, candidates need a publication list with at least three outstanding publications, thematically related to the above research topics.

Remuneration is in accordance with the provisions of the collective agreement for public service of the federal states (TV-L) according to the personal requirements up to pay group 13 TV-L.

Bauhaus-Universität Weimar pursues an equal opportunity, family-friendly personnel policy. One of the strategic goals of the university includes increasing the proportion of women in teaching and research. Bauhaus-Universität Weimar therefore expressly invites qualified female academics to apply.

Severely disabled persons will be given preferential consideration in case of equal suitability.

Please send your application, with
- the usual informative documents (at least: cover letter, curriculum vitae, relevant degree certificates/grade overviews, research interests, if available: List of publications)
- and electronic contact details for at least two references,

in German or English, preferably electronically as a complete PDF, by **August 31, 2022**, stating **reference number M/WP-10/22** to

emmely.kornelia.thielken@uni-weimar.de

or by post to

Bauhaus-Universität Weimar
Fakultät Medien
Fachbereich Medieninformatik
Frau Thielken
Schwanseestraße 143
99427 Weimar

We look forward to receiving your application!

Information on Data Protection
Please note that the confidentiality of unencrypted e-mails cannot be guaranteed. Because the Bauhaus-Universität Weimar is not able to guarantee encrypted receipt of your e-mail, we recommend that you submit your application documents as an encrypted PDF using the code »**M/WP-10/22**« as your password. This procedure cannot absolutely guarantee confidentiality, however, it can significantly increase it.
When an application is submitted electronically, the applicant consents to the scanning of the submitted files for harmful codes, viruses, and spam, to the temporary storage of the required data, and to the conduct of future (unencrypted) e-mail correspondence.
Additional information on data protection pursuant to Art. 13 of the EU Basic Data Protection Regulation (EUDSGVO) can be found at: »Hinweise zum Datenschutz für Bewerberinnen und Bewerber« (information on data protection) on our website at https://www.uni-weimar.de/de/universitaet/aktuell/stellenausschreibungen/