The **Department of Mathematics and Informatics**, research group Language Technologies of Prof. Lucie Flek, is currently accepting applications for a

Research Assistant (m/f/o)
(Doctoral Researcher – m/f/o)

In co-supervision with Prof. Alexander Markowetz. The position is offered **for a period of 3 years**, if no former times of qualification must be considered. The **starting date is as soon as possible**. The position is **full time** with salary and benefits commensurate of a public service position in the state Hesse, Germany (**TV-H E 13**, 100 %). Responsibilities include scientific research and outreach.

The project "DeFaktS - Remedying disinformation campaigns by disclosing the factors and stylistic devices", funded by the German Federal Ministry of Education and Research (BMBF), focuses on the development and implementation of a prototype solution to identify, visualize and explain Fake News based on data from all common social media platforms and communication apps. The solution is based on a combination of innovative AI methods, and a usable online interface (API) that explains the decision criteria to users. The software will be developed for smartphone screen, allowing to give live feedback on fake news to an ordinary user.

Within the scope of the assigned tasks, the opportunity for independent scientific work is offered, which serves the own scientific qualification. The time limit is based on Section 2 Paragraph 1 Clause 1 Wiss-ZeitVG.

The successful applicant will have an university degree in Computer Science (Diploma, Master or equivalent). Strong programming skills, especially in Java and Android development, demonstrated e.g. by previous projects, are desired. Prior experience with online discussion analysis, neural network architectures, and natural language processing is preferred. Candidates should be enthusiastic, self-motivated, reliable, creative, and able to pursue research projects both independently and in collaborations. Excellent communication skills in written and spoken English (C1 equivalent) are required, and a working knowledge of German (B2 equivalent) is preferred, as the project focuses on Fake News in German language space. Willingness to pursue your own scientific qualification (PhD) in the field of natural language processing is expected.

We offer a diverse team with a start-up mentality in a stimulating international scientific environment at one of the oldest universities in Germany. Philipps-Universität Marburg supports young scientists in their career development, e.g. through positions offered by the Marburg Research Academy (MARA), the International Office and places for higher education pedagogy and personnel development.

We promote opportunities for women, expressly requesting applications from women. In areas where women are underrepresented, we will favor female applicants if their application carries equal merit compared to the applications of their male peers. Our university furthermore aims to be family-friendly, which means we welcome applicants with children. Filling this position on a part-time basis (see § 9 (2) sentence 1 of the Hessian Equal Rights Act –(HGIG)) or reduced working hours are possible in principle. Applicants with disabilities within the context of the German Social Security Code IX (SGB) (§ 2 (2), (3)) will be favored if their application carries equal merit compared to applications from candidates without disabilities. Application and processing costs will not be refunded.

Your application should include: Motivation letter of application (max. one page), CV incl. your education, work experience, language skills and other skills relevant for the position, degree certificate and transcripts of records (Master´s degree diploma including grade transcripts for bachelor´s and master´s degrees), optionally also a list of publication and 1-3 reference letters or contact if available.

Please send your application mentioning registration number fb12-Flek-wmz-2022 as a single PDF file to the Department of Mathematics and Informatics, lucie.flek@uni-marburg.de, before 31.03.2022.