



Technische Universität Darmstadt
(Telecooperation Lab, Prof. Mühlhäuser)
offers a



TECHNISCHE
UNIVERSITÄT
DARMSTADT

POSITION AS POSTDOC (AREAHEAD) IN MACHINE LEARNING

Telecooperation Lab (TK) is one of the largest computer science research groups at TU Darmstadt. We investigate challenges of ubiquitous computing and smart spaces, whereby different groups (research areas) focus on different aspects, such as: networks and distributed systems support, HCI/CSCW, security and privacy, **machine learning for ubiquitous computing**. The diverse and complementary foci of our research areas permit us to pursue integrated, holistic visions of future IT based systems.

We seek a new head with a solid background in machine learning and its application to issues in ubiquitous computing for our *Smart Proactive Assistance* area. The area focusses on research regarding personal assistance and knowledge discovery in complex systems and machinery. This encompasses human aspects such as researching behavior and interests to provide personalized guidance as well as the more organization centric fields of predictive process analytics and predictive maintenance. All these aspects are heavily relying on manual and computer-generated data which provide grounds for the application and enhancement of various methods of machine learning. Several doctoral researchers are currently involved in this research, and the area is supposed to grow further.

The advertised PostDoc (AreaHead) position offers unique possibilities to attain excellent qualifications for top academic and industrial research positions – in fact, former TK PostDocs hold high ranked positions worldwide. You will be leading a group of researchers and are expected to develop and distinctively sharpen the research theme of your area. In accordance with the head of TK, you will take on personnel responsibility for the doctoral researchers and promote their and your high quality international publications. You are expected to help acquire and manage third-party funded projects. Within the framework of TK's role in the BSc/MSc curricula, you will have considerable freedom w.r.t. the amount and specifics of your involvement in teaching. Novel and innovative qualification schemes introduced by our department offer medium-term options to obtain increased independence and academic rank.

You should fulfill the following requirements: a PhD degree and excellent research record related to pertinent topics, verifiable capabilities in research project supervision, experience in applications for funds, and outstanding social skills. Fluent command of English is indispensable, at least basic command of German is very welcome.

The Technische Universität Darmstadt intends to increase the number of female faculty members 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, which apply to the Technische Universität Darmstadt (TV-TU Darmstadt). Part-time employment is also possible.

Applications should be sent to Prof. Dr. Max Mühlhäuser in electronic form (eMail to [max\(at\)informatik.tu-darmstadt.de](mailto:max(at)informatik.tu-darmstadt.de)).