Faculty of Computer Science

At the Institute of Artificial Intelligence, the Chair of Machine Learning for Computer Vision offers a position as

Research Associate / PhD Student / Postdoc
(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting October 1, 2021. The position is limited for three years with the option of an extension. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz-WissZeitVG). The position aims at obtaining further academic qualification (e.g. PhD / habilitation thesis). Balancing family and career is an important issue. The post is generally suitable for candidates seeking part-time employment. Please indicate your request in your application.

Tasks:
• curiosity-driven basic research of fundamental mathematical optimization problems in the field of machine learning
• design and analysis of algorithms for solving these problems, exactly or approximatively
• implementation, empirical analysis and comparison of these algorithms with respect to real data
• publication of findings and insights in internationally leading conferences and journals
• strong contributions to teaching in English in the Masters' Program Computational Modeling and Simulation, esp. by the design and co-supervision of exercise groups and tutorials and, for postdocs with sufficient teaching experience, by own lectures.

Requirements:
• very good university degree in mathematics or computer science or a related discipline, if applicable PhD
• comprehensive education in mathematics, especially in discrete mathematics and one area of mathematical optimization (e.g. Mathematical Programming, Convex Optimization)
• curiosity and strong interest in rigorous methodological research
• teaching experience
• very good programming skills in C or C++
• very good scientific writing skills in English.
• Knowledge of German is not required for this position.

Applications from women are particularly welcome. The same applies to people with disabilities. Please submit your comprehensive application including the usual documents by September 24, 2021 (stamped arrival date of the university central mail service applies) via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document to: mlcv@tu-dresden.de or by mail to: TU Dresden, Fakultät Informatik, Institut für Künstliche Intelligenz, Professur für Maschinelles Lernen für Computer Vision, Herrn Prof. Dr. rer. nat. Björn Andres, Helmholtzstr. 10, 01069 Dresden, Germany. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis