Job Advertisement
Senior Researcher / Researcher (f/m/d)
(full-time, initial fixed term 3 years)

The Interactive Machine Learning department (IML) at DFKI in Oldenburg led by Prof. Sonntag is currently seeking several part-time or full-time researchers (preferably postdoctoral researchers or PhD candidates) in interactive and semantic machine learning. The application areas are multimodal multisensor interfaces, multimedia information extraction, medical image analysis, intelligent user interfaces, and explainable AI.

Two positions in the IML Lab in Oldenburg, see iml.dfki.de.

Responsibilities: Group leader position in a subfield of interactive machine learning, e.g., multimodal dialogue development based on sensor data analysis for updating machine learning models, IML software platforms, user interaction design, prototype development, user experiments.

Requirements: state-of-the-art interactive and explainable machine learning; you should also have experience working with AI technology for modelling human interaction behaviour. Knowledge of multimodal and image-based question answering or HCI aspects is a plus but not required. The ability to develop tools in Python is desirable and excellent programming skill is required.

Special AI transfer topics and challenges for research group development, in collaboration with other DFKI departments: explainability (XAI), transparency, fairness, robustness, machine teaching, human-centred design, information extraction (IE) and natural language processing (NLP), semantic web, common sense modelling, hybrid cognitive technologies, context-based interpretation, robustness and trustworthy AI, hybrid teams, human-robot interaction (HRI), learning with small datasets, transfer learning, interactive deep learning, never ending learning, AI and Art, metacognition and introspection.

The successful applicants will be working in a highly collaborative and international environment. Successful candidates are required to become adept at scientific paper writing; and presenting scientific findings will be important, as well as implementing demo systems together with master and PhD students from the Applied AI department uol.de/aai of Oldenburg University—for user evaluations. Applications can be sent electronically and should include a full CV, copies of certificates and two references, and the earliest possible starting date.

Applications close 7th December 2020 (5pm GMT). Please contact us for informal enquiries and send your electronic application (preferably in PDF format) to alexander.prange@dfki.de.