The Cluster of Excellence "Machine Learning - New Perspectives for Science" at the University of Tübingen invites applications for

Three PhD positions (TV-L E13, 65%)

to be filled as soon as possible. All positions are limited to three years.

The call is aimed at young scientists with a very good university degree and an interest in interdisciplinary research projects examining applications of machine learning methods in various scientific fields.

PhD post 1: Enhancing machine learning of lexical semantics with image mining. The applicant should have a strong background in computational linguistics and/or computer vision with genuine interest in applying recent advances in machine learning to the cognition of language processing. Principal Investigators are Harald Baayen and Hendrik Lensch.

PhD post 2: Machine learning approaches for psychophysics with ordinal comparisons. The project aims at the application of machine learning methods to derive a new pipeline for psychophysics studies. A very good university degree in computer science and/or cognitive sciences is required. Principal Investigators are Felix Wichmann und Ulrike von Luxburg.

PhD post 3: Interpretable spatial machine learning for environmental modelling. Machine learning methods will be used to map out soil processes from existing data and represent them in digital soil maps. A very good university degree in mathematics and/or computer science is required. Principal Investigators are Philipp Hennig and Thomas Scholten.

Applications with the usual documents (letter of application, curriculum vitae, copies of certificates, publication list) should be sent in electronic form (as a single PDF, at most 5 MB) to the central office of the Cluster of Excellence (ml-in-science@uni-tuebingen.de). Please indicate which of the three vacancies you want to apply for. Further information on the Cluster of Excellence can also be found at http://www.ml-in-science.uni-tuebingen.de/, questions can also be directed to the central office.

The University aims to increase the proportion of women in research and teaching and therefore urges suitably qualified women scientists to apply. Qualified international researchers are expressly invited to apply. Severely disabled persons with equal aptitude will be given preferential consideration.