
Master Thesis

Dialogue Systems

Institute of Communications Engineering
Albert-Einstein-Allee 43
89081 Ulm

Visual emotion recognition in the wild at multi-user and group levels

DESCRIPTION:

With the grow in popularity of social networks over the last decade, a lot of publically available emotionally rich data became available. Such data usually contains of text and/or photo. While many research work were done to date in the field of image emotion recognition, it is still a very challenging issue to detect emotions in non-laboratory conditions, i.e. in the wild. Another exciting task is to recognise emotions from group photos, where they can be in consensus or controversy with each other.

The task of the project is to develop reliable methods of image data analysis for emotion recognition with several users based on deep convolutional neural networks, their ensembles and combination with other machine learning methods.

PREREQUISITES:

- Knowledge of machine learning methods
- Interest in image processing/classification
- Ability to analyse and summarise information

CONTACT:

M.Sc. Dmitrii Fedotov

Institute of Communications Engineering – Dialogue Systems – Analysis and Recognition Cluster

Room: 43.2.233 (Uni West)

Tel: 0731 50-31525

E-Mail: dmitrii.fedotov@uni-ulm.de