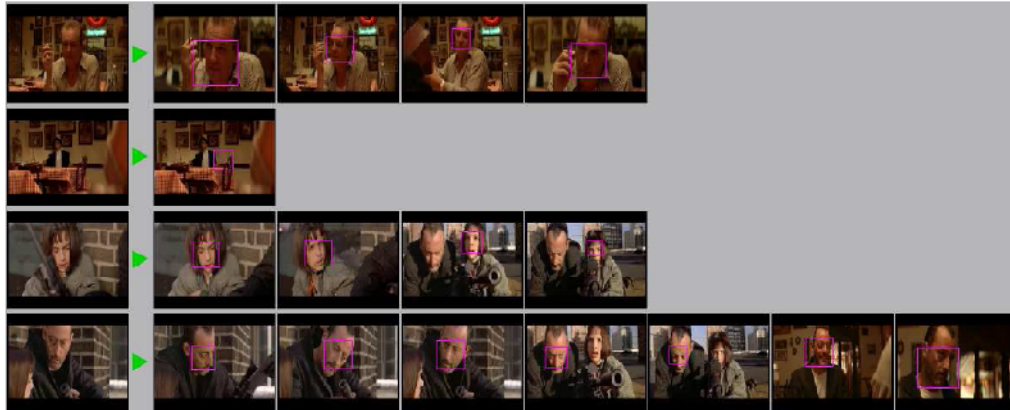


Studien- / Bachelorarbeit:

Clustering Faces in Videos



Background

Grouping faces in video documents such as movies / TV series enables us to automatically determine cast list or retrieve specific actors throughout the video. One can also assign name to the clusters for face identification purpose. The challenge of clustering faces in videos is the appearance variations due to pose changes, lighting conditions, expressions and motion blurs, etc. The goal of this thesis is to design and implement a system which enables robust and efficient face clustering.

Tasks

- Develop a face clustering system for grouping faces in videos
- Evaluate the developed system on various types of video documents, i.e. movies, TV series and Broadcast news

Requirements

- Interest in the topic
- Knowledge with basics of computer vision and machine learning (e.g. KogSys lecture)
- Good C++ programming skills

Note

- This work is situated in the context of the Franco-German project Quaero (www.quaero.org)

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