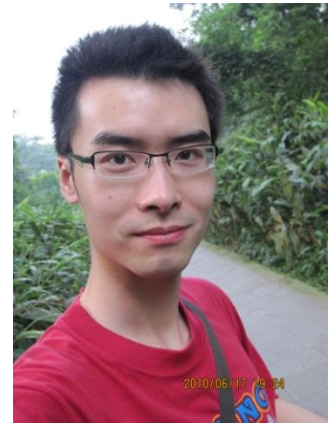
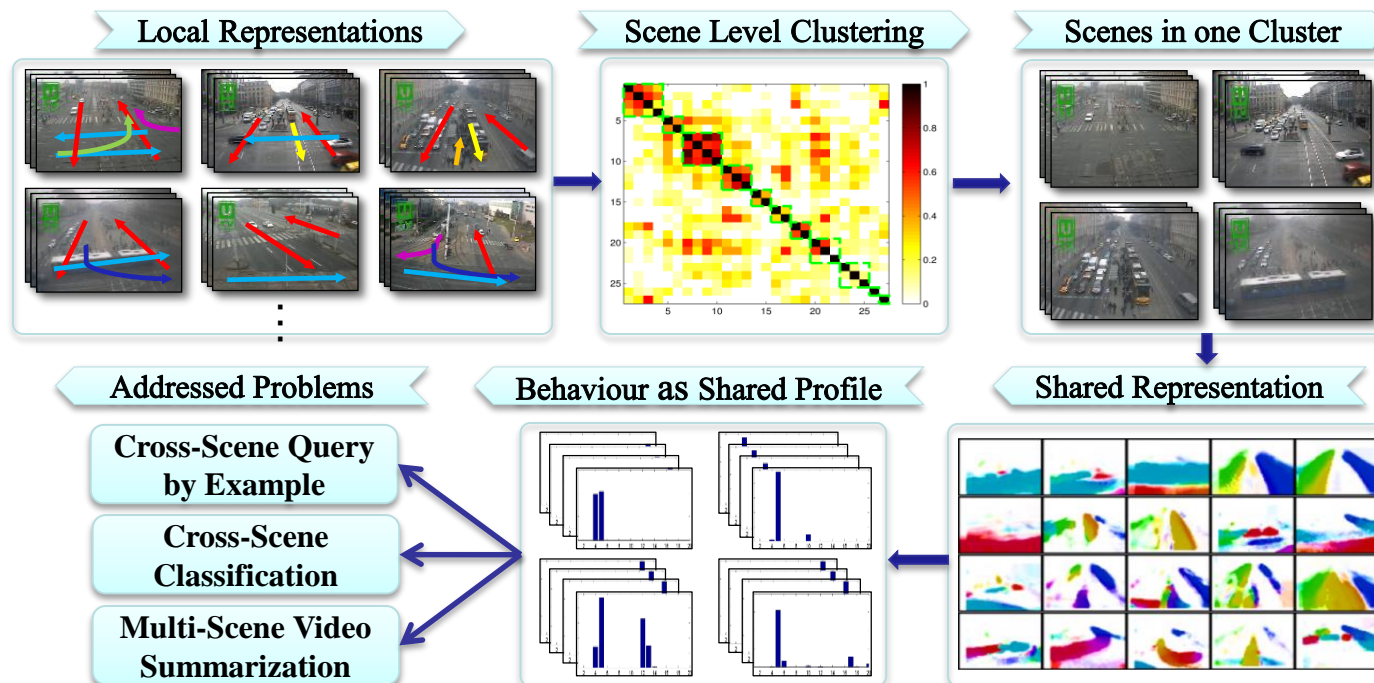


Multi-Scene Traffic Behaviour Analysis

Xun Xu

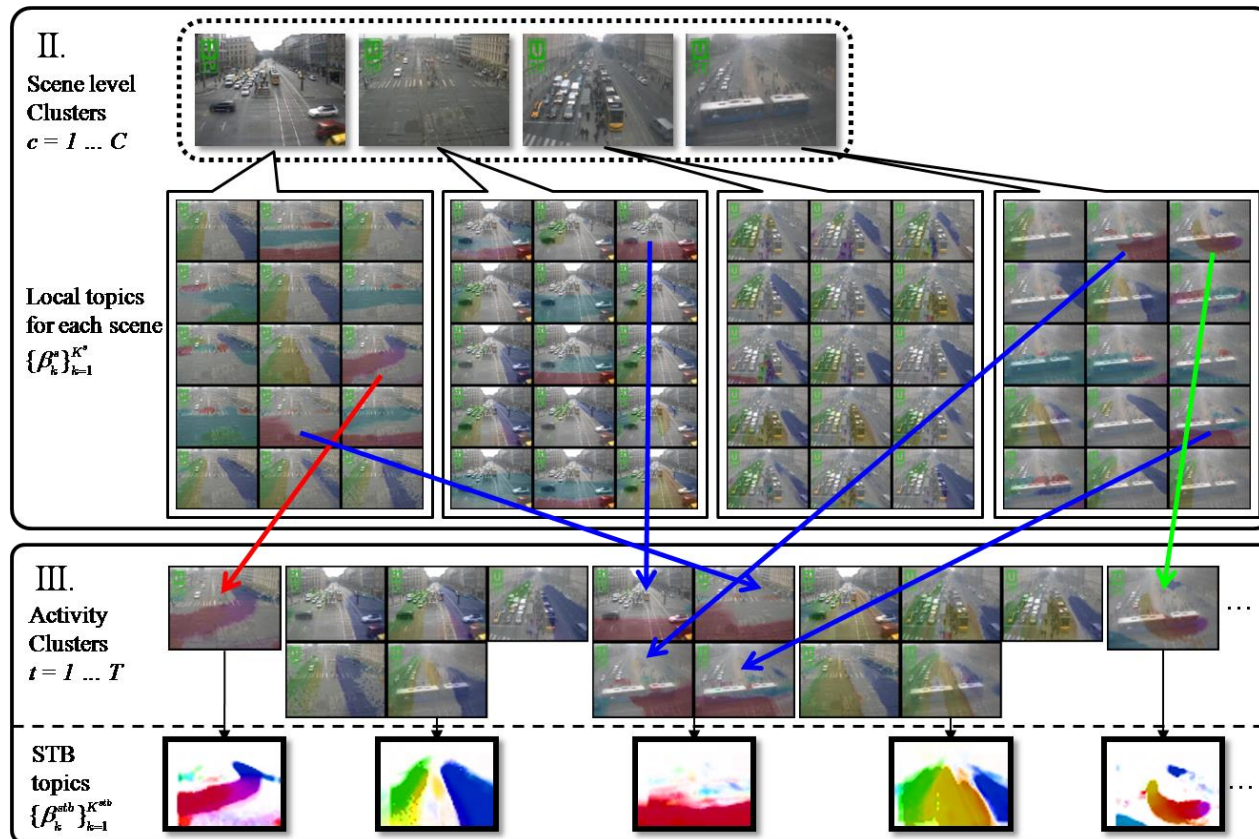


- Discover Traffic Patterns in Unsupervised Manner
- Surveillance Video Retrieval by Example
- Multi-Camera Video Summarization



Proposed approach

- Learn Local Activities with Topic Model
- Hierarchical Clustering on Scenes and Activities
- Represent Behaviours with Common Representation



Results and conclusion

- Traffic Scene Profiling
- Multi-Scene Summarization



Discovery of shared semantic spaces for multi-scene video query and summarization

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IEEE Trans. on Circuits and Systems for Video Technology (to appear, 2015)