

Chengju Zhou

CONTACT INFORMATION

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EDUCATION

2015 - present: PhD Candidate supervised by Prof. Siew-Kei Lam at School of Computer Science and Engineering of Nanyang Technological University, Singapore.
2012 - 2015: M.S. Candidate supervised by Prof. Xiaochun Cao in Mould Identification and Intelligent Devices at School of Computer Science and Technology of Tianjin University, China.
2008 - 2012: B.E. in Industry Design at Xi'an Technological University North Institute of Information Engineering, China

PUBLICATION

Chengju Zhou, Meiqing Wu, Siew-Kei Lam, "Group Costsensitive Boosting with Multiscale Decorrelated Filters for Pedestrian Detection" accepted in *The British Machine Vision Conference 2017*

Chengju Zhou, Meiqing Wu, Siew-Kei Lam, "Fast and Accurate Pedestrian Detection using Dual-Stage Group Cost-Sensitive RealBoost with Vector Form Filters", accepted in *ACM International Conference on Multimedia 2017*

Meiqing Wu, **Chengju Zhou**, Thambipillai Srikanthan, "Robust and low complexity obstacle detection and tracking", accepted in *International Conference on Intelligent Transportation 2016*

XiaoChun Cao, Changqing Zhang, **Chengju Zhou**, Huazhu Fu, Hassan Foroosh, "Video Face Clustering via Constrained Sparse Representation and Multi-view Spectral Clustering", accepted in *IEEE Transactions on Image Processing*.

Chengju Zhou, Changqing Zhang, Xuewei Li, Gaotao Shi and Xiaochun Cao, "Video Face Clustering via Constrained Sparse Representation", accepted as **oral** in *IEEE International Conference on Multimedia and Expo*, 2014.

PROGRAM

Skilled in Matlab, C/C++, Python and Linux

PROJECT EXPERIENCE

Face Related Intern in Institute of Deep Learning of Baidu 2014.01-2014.07
Research Intern

- Participant on face detection and face attribute recognition. A model based on combination of Adaboost and CNN is utilized to detect face. Conducting CNN for face attribute recognition, such as gender, age and race etc.

Fast Surveillance Video Object Detection 2013.04-2013.08
Project Participant

- Detecting the specific objects (face and car plate) with the technology of background subtract. C++ is used to separate the foreground and background from video. Utilizing the face detection and face recognition to locate and recognize an individual. The technology of OCR recognition is employed to recognize the car's plate number.

Interest Mining and Personalized Recommendation based on User Album
2012.10-2013.03

Project Participant

- This project is an Innovative Issue of Tsinghua-Tencent co-laboratory. With the information of the user's album, the technology of image search and image semantic comprehension are employed to find the interest of users and make personalized service. C++ is used for image search, and the Image-Net is utilized to build up a topic tree for obtaining user's interest from the album.

Digital Image Forge Detection System
2012.10-2012.12

Project Participant

- The project is a cooperative project with the Tianjin Public Security Bureau. Responsible for developing a real-time network digital images forge detection system, which contains based on image format, physics attribute and geometry attribute detection etc.

PATENT

Xiaochun Cao, **Chengju Zhou** and Renyu Zhang "A LBS recommendation system based on user's interest", No. 201310164537.7 (Pending)

Xiaochun Cao, **Chengju Zhou** and Renyu Zhang "A method for extracting user's interest based on the content of images", No. 201310164663.2 (Pending)