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EDUCATION

Ph.D. in Computer Science, Computer Vision 09/2011 – 11/2014
Queen Mary University of London,
Supervisors: Prof. *Tao Xiang* and Prof. *Shaogang Gong.*

M.S. Computer Science, 09/2008 – 06/2011
Department of Computer Science and Technology, Nanjing University,
Supervisor: Prof. *Yanwen Guo.*

B.S. Information and Computing Science, 09/2004 – 06/2008
Department of Science, Nanjing University of Technology,

POSITIONS

Post-doctoral Researcher at Disney Research Pittsburgh,
Re-located in Carnegie Mellon University (CMU) 12/2014 – 07/2016
Collaborator: Dr. *Leonid Sigal.*

PUBLICATIONS

1. *Multi-scale Deep Learning Architectures for Person Re-identification,* Xuelin Qian, **Yanwei Fu(*)**, Yu-gang Jiang, Tao Xiang and Xiangyang Xue ICCV 2017; *: corresponding authour.

2. *Adaptively Weighted Multi-Task Deep Network for Person Attribute Classification,* Keke He, **Yanwei Fu (*)**, Zhanxiong Wang, Yu-Gang Jiang, Rui Feng and Xiangyang Xue ACM Multimedia 2017; *: corresponding authour

3. *Learning to Generate and Edit Hairstyles,* Weidong Yin, **Yanwei Fu (*)**, Yiqing Ma, Yu-gang Jiang, Tao Xiang and Xiangyang Xue ACM Multimedia 2017; *: corresponding authour

4. *Multi-task Deep Neural Network for Joint Face Recognition and Facial Attribute Prediction,* Zhanxiong Wang, Keke He, **Yanwei Fu (*)**, Rui Feng, Yu-Gang Jiang, and Xiangyang Xue ACM ICMR 2017; *: corresponding authour

5. *Frame-Transformer Emotion Classification Network,* Jiarui Gao, **Yanwei Fu (*)**, Yu-Gang Jiang, Xiangyang Xue ACM ICMR 2017; *: corresponding authour

6. *Deep Learning for Video Classification and Captioning,* Zuxuan Wu, Ting Yao, **Yanwei Fu** and Yu-Gang Jiang ACM Book on Frontiers of Multimedia Research, to appear.

[1]`http://yanweifu.github.io/`

7. *Robust Subjective Visual Property Prediction from Crowdsourced Pairwise Labels.* **Yanwei Fu**, Timothy M. Hospedales, Tao Xiang, Jiechao Xiong, Shaogang Gong, Yizhou Wang and Yuan Yao *IEEE Transaction on Pattern Analysis and Machine Intelligence (TPAMI), March 2016, **impact factor: 6.077.***

8. *Transductive Multi-view Zero-Shot Learning.* **Yanwei Fu**, Timothy M. Hospedales, Tao Xiang and Shaogang Gong *IEEE Transaction on Pattern Analysis and Machine Intelligence (TPAMI) 2015 Nov, **impact factor: 6.077.***

9. *Learning Multi-modal Latent Attributes,* **Yanwei Fu**, Timothy M. Hospedales, Tao Xiang and Shaogang Gong. *IEEE Transaction on Pattern Analysis and Machine Intelligence (TPAMI), 2014. **impact factor: 6.077.***

10. *Multi-view Video Summarization,* **Yanwei Fu**, Yanwen Guo,Yanshu Zhu, Feng Liu, Chuanming Song and Zhi-Hua Zhou,IEEE Transactions on Multimedia (TMM), 2010.

11. *Heterogeneous Knowledge Transfer in Video Emotion Recognition, Attribution and Summarization,* Baohan Xu, **Yanwei Fu***, Yu-Gang Jiang, Boyang Li and Leonid Sigal IEEE Transactions on Affective Computing, 2017 (*:corresponding authour).

12. *Harnessing Object and Scene Semantics for Large-Scale Video Understanding.* ZuXuan Wu, **Yanwei Fu**, Yu-gang Jiang, Leonid Sigal (**Spotlight**) CVPR 2016.

13. *Semi-supervised Vocabulary-informed Learning.* **Yanwei Fu** and Leonid Sigal, CVPR 2016. (**Oral**)

14. *Video Emotion Recognition with Transferred Deep Feature Encodings,* Baohan Xu, **Yanwei Fu ***, Yu-Gang Jiang, Boyang Li and Leonid Sigal ICMR 2016 (**Oral**) (accept rate=18%) (*:corresponding authour)

15. *Learning to Generate Posters of Scientific Papers,* Yu-ting Qiang, **Yanwei Fu**, Yanwen Guo, Zhi-hua Zhou and Leonid Sigal. *AAAI 2016.*

16. *Interestingness Prediction by Robust Learning to Rank.* **Yanwei Fu**, Timothy M. Hospedales, Tao Xiang and Shaogang Gong and Yuan Yao. *European Conference on Computer Vision - ECCV 2014.*

17. *Transductive Multi-view Embedding for Zero-Shot Recognition and Annotation.* **Yanwei Fu**, Timothy M. Hospedales, Tao Xiang and Shaogang Gong *European Conference on Computer Vision - ECCV 2014.*

18. *Transductive Multi-calss and Multi-label Zero-shot Learning* **Yanwei Fu**, Yongxin Yang, Timothy M. Hospedales, Tao Xiang and Shaogang Gong. *European Conference on Computer Vision - ECCV 2014 workshop on Parts and Attribute.*

19. *Transductive Multi-label Zero-shot Learning.* **Yanwei Fu**, Yongxin Yang, Timothy M. Hospedales, Tao Xiang and Shaogang Gong. British Machine Vision Conference – BMVC 2014 (Oral).

20. *Attribute Learning for Understanding Unstructured Social Activity,* **Yanwei Fu**, Timothy M. Hospedales, Tao Xiang and Shaogang Gong. *European Conference on Computer Vision - ECCV 2012.*

21. *Content-sensitive collection snapping,* **Yanwei Fu**, Yanwen Guo *IEEE International Conference on Multimedia and Expo – ICME 2011.*

22. *Learning from Synthetic Data Using a Stacked Multichannel Autoencoder,* Xi Zhang, **Yanwei Fu**, Shanshan Jiang, Leonid Sigal and Gady Agam, *ICMLA 2015.*

RECENT PAPER SUBMISSION

1. Lingbo Wang, **Yanwei Fu**(*). Joint Transformational-Spatial Clustering for Multiple Object Feature Matching, submitted to ICCV 2017. (*:corresponding authour)

2. Xuelin Qian, **Yanwei Fu**(*), Tao Xiang, Yu-gang Jiang, Xiangyang Xue. Multi-scale Deep Learning Architectures for Person Re-identification, submitted to ICCV 2017. (*:corresponding authour)

3. Weidong Yin, **Yanwei Fu**(*), Leonid Sigal, Xiangyang Xue. Semi-Latent GAN: Learning to generate and modify facial images from attributes, submitted to ICCV 2017. Arxiv Version:https://arxiv.org/abs/1704.02166 (*:corresponding authour)

4. Weidong Yin, **Yanwei Fu**(*), Yiqing Ma, Tao Xiang, Yu-gang Jiang, Xiangyang Xue. Learning to Generate and Edit Hairstyles, submitted to ACM Multimedia 2017. (*:corresponding authour)

5. Keke He, **Yanwei Fu**(*), Zhangxiong Wang, Yu-gang Jiang. Adaptively Weighted Multi-task Deep Network for Person Attribute Classification. submitted to ACM Multimedia 2017. (*:corresponding authour)

6. Keke He, **Yanwei Fu**(*), Zhangxiong Wang, Xiangyang Xue. A Jointly Learned Deep Architecture for Facial Attribute Analysis and Face Detection in the Wild. submitted to ACM Multimedia 2017 . (*:corresponding authour)

7. Jianqi Ma, Yinda Zhang, **Yanwei Fu**(*), Hangyu Lin, Xiangyang Xue. Vocabulary-informed Visual Feature Augmentation for One-shot Learning. submitted to NIPS 2017. (*:corresponding authour)

8. **Yanwei Fu**, Hanze Dong, Zhengjun Zhang, Xiangyang Xue. Vocabulary-informed Extreme Value Learning. submitted to NIPS 2017

PRESS COVER

1. *Multi-view Video Summarization*, IEEE TMM 2010: This work is strongly recommended by the review journal of IEEE MMTC R-LETTER – IEEE MMTC R-LETTER(p13). IEEE MMTC R-LETTER is one of the two review journals in IEEE communication society. For more details, please watch the *Demo*.

2. *Harnessing Object and Scene Semantics for Large-Scale Video Understanding.* CVPR 2016. This work is reported by the article "Object and scene recognition software work together to understand video content", EurekAlert! and AAAS, 23-Jun-2016.

3. *Semi-supervised Vocabulary-informed Learning.* CVPR 2016. This work is reported by the article "Computer vision system studies word use to recognize objects it has never seen before", EureAlert! and AAAS, 23-Jun-2016.

4. *Report on my company: Dewo-Suzhou Intelligence Corp..* Chinese News Kunshan Daily.

TECHNICAL REPORTS

1. *Learning to Generate Posters of Scientific Papers by Probabilistic Graphical Models*, Yu-ting Qiang, **Yanwei Fu**, Xiao Yu, Yanwen Guo, Zhi-Hua Zhou, Leonid Sigal, 2017

2. *Multi-view Metric Learning for Multi-view Video Summarization*, **Yanwei Fu**

3. *Queen Mary University of London TRECVID-2013 Multimedia Event Detection (MED) System Report*, **Yanwei Fu**, Timothy M. Hospedales, Tao Xiang and Shaogang Gong. *TRECVID MED 2013 workshop notebook paper.*

4. *Robust Classification by Pre-conditioned LASSO and Transductive Diffusion Component Analysis,* **Yanwei Fu**, Leonid Sigal ,

**ACADEMIC
SEVICES**

IEEE STUDENT MEMBER
The Journal Reviewer for

- IEEE Transactions on multimedia (TMM) (starting from 2011);
- IEEE transactions on human-machine systems (starting from 2012);
- IEEE Transactions on Circuits and Systems for Video Technology (TCSVT) (starting from 2013);
- Journal of Visual Communication and Image Representation (JVCI) (starting from 2015);
- IET Image Processing (starting from 2012);
- IET Computer Vision (starting from 2014);
- Neurocomputing (starting from 2012);
- Machine Vision and Applications (starting from 2015);
- Signal processing image communication (starting from 2015);
- Computer Vision and Image Understanding (CVIU) (starting from 2015);
- Advanced Robotics, the Journal of the Robotics Society of Japan (starting from 2014);

The Journal Reviewer for

- Thirtieth AAAI Conference on Artificial Intelligence (AAAI-16)
- Neural Information Processing Systems 2016 (NIPS-16)

**PATENTS
PENDING**

Yanwei Fu, Leonid Sigal, System and method of vocabulary-informed categorization of items of interest included within digital information, Walt-Disney Corp.
Yanwei Fu, Leonid Sigal, Robust Classification by Pre-conditioned LASSO , Walt-Disney Corp.
Zuxuan Wu, Yanwei Fu, Leonid Sigal, Systems and methods for identifying activities in media contents based on object data and scene data, Walt-Disney Corp.