

## Qinfeng (Javen) Shi

**Position:** Director of Probabilistic Graphical Model Group; Director of Advanced Reasoning and Learning of Australian Institute for Machine Learning; Associate Professor/Reader (Tenure), School of Computer Science, The University of Adelaide (UoA)

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**Education:** PhD (2011), Computer Science (Machine Learning), Australian National University; MS(2006), BS(2003) Computer Science and Technology, Northwestern Polytechnical University

**Past Positions:** Jan. 2015-Dec. 2017, Senior Lecturer (Tenure), School of Computer Science, UoA

Jan. 2012-Dec. 2014, Discovery Early Career Researcher Award (DECRA) Fellow, UoA

May. 2010-Dec. 2011, Senior Research Associate, Australian Centre for Visual Technologies, UoA

**Honors:** ARC Discovery Early Career Researcher Award (awarded in Nov. 2011); Attended Prime Minister's Science Prizes dinner in 2012 and 2013.

**Supervision:** Postdocs trained 3; PhD students supervised: 12.

**Research Areas:** Machine Learning, Graphical Models, Computer Vision, Probabilistic Models

**Grants:** Total Australian Research Council (ARC) funding awarded amount: \$2,300,787. Lead (1st) Chief Investigator (CI) (2 Discovery Project, 1 DECRA): \$1,073,787. Co-CI (3 Linkage Project): \$1,227,000.

**Professional Service:** Associate Editor for Neurocomputing, Reviewer/Accessor for ARC Projects; Reviewer for top-tier venues including IEEE Trans. on Pattern Analysis and Machine Intelligence (TPAMI), J. of Machine Learning Research (JMLR), IEEE Trans. on Neural Networks and Learning Systems (TNNLS), Int. Conf. Computer Vision (ICCV), IEEE Conf. Comp. Vision and Pattern Recognition (CVPR), Neural Info. Processing Systems (NIPS), and Int. Conf. Machine Learning (ICML).

**Publications:** 38 ERA [A/A\*] papers, about 90% of my total; 15 CVPR papers published. CVPR is one of the top 2 computer vision conferences globally. Over 2000 google cites, H index 19; Five recent papers:

1. Seyed Hamid RezaTofighi, Anton Milan, Qinfeng Shi, Anthony Dick, Ian Reid, Joint Learning of Set Cardinality and State Distribution, AAAI18, 2018
2. Dong Gong, Mingkui Tan, Yanning Zhang, Anton Van Den Hengel, Qinfeng Shi, Self-paced Kernel Estimation for Robust Blind Image Deblurring, ICCV17, 2017.
3. Zhen Zhang, Julian McAuley, Yong Li, Wei Wei, Yanning Zhang, Qinfeng Shi, Dynamic Programming Bipartite Belief Propagation For Hyper Graph Matching, IJCAI17, 2017.
4. Dong Gong, Jie Yang, Lingqiao Liu, Yanning Zhang, Ian Reid, Chunhua Shen, Anton van den Hengel, Qinfeng Shi, From Motion Blur to Motion Flow: a Deep Learning Solution for Removing Heterogeneous Motion Blur, CVPR17, 2017.
5. Zhen Zhang, Qinfeng Shi, Julian McAuley, Wei Wei, Yanning Zhang, Anton Van Den Hengel, Pairwise Matching through Max-Weight Bipartite Belief Propagation, CVPR 16, 2016.