Zhiwen Fan(樊志文)

Xiamen University   Phone:(86)18860028315

Department of Communication Engineering   Email: waynefan@stu.xmu.edu.cn

Siming South Road, Xiamen, Fujian 361005   Office:Scientific Research Building 205

Research Interests

Machine Learning, Computer Vision, MRI Reconstruction & Segmentation, Deraining & Vehicle Detection, Semi-Supervised learning & Video Segmentation.

Education

Xiamen University   Xiamen, Fujian, China   09/2016-Present

Master Student in Department of Communication Engineering

Advisor: Prof. Xinghao Ding   GPA: 3.81/4.0   Rank:5/62

Shandong Agriculture University   Taian, Shandong, China   09/2012-07/2016

B.S. in Department of Electrical Engineering

GPA: 3.78/5.0   Rank:7/88

Professional Experiences

Microsoft Research Asia   Beijing, China   06/2018-Present

Research Intern at Microsoft Research Asia

Research Intern with Dr. Xun Guo.
Doing researches with emphasis on Semi-supervised learning, Video Segmentation.

Xiamen University   Xiamen, Fujian, China   09/2016-Present

Research & Teaching Assistant at Department of Communication Engineering

Research assistant of Prof. Xinghao Ding.
Mainly focus on building a light weight model for Image Restoration, incorporating Semantic segmentation/Vehicle Detection into deep models.

Publication

Z. Fan^, L. Sun^, X. Ding, Y. Huang, C. Cai and J. Paisley. A Segmentation-aware Deep Fusion Network for Compressed Sensing MRI , European Conference on Computer Vision (ECCV), Munich, Germany, 2018.

Z. Fan^, H. Wu^, X. Fu, Y. Huang and X. Ding. Residual-Guide Feature Fusion Network for Single Image Deraining , ACM Multimedia (ACM MM), Seoul, South Korea, 2018.

L. Sun^, Z. Fan^, Y. Huang, X. Ding and J. Paisley. Compressed sensing MRI using a recursive dilated network, AAAI Conference on Artificial Intelligence (AAAI), New Orleans, LA, USA, 2018.

X. Fu, Z. Fan, M. Ling, Y. Huang and X. Ding. Two-step approach for single underwater image enhancement, International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS), Xiamen, China, 2017.

One paper submitted to Transactions on Image Processing(TIP).

^ denotes joint 1st authors

Honors &Awards

The First Prize Scholarship (2017,2016); Qijun Scholarship for Encouragement(2017)

Outstanding Graduates of Shandong Provience(Top 5% Student)(2016)

National Third Prize of iCAN International Contest of innovAtioN(2015)

National Third Prize of The Challenge Cup(2015);Individual scholarships(2014)

The First Prize Scholarship (2014);The Second Prize Scholarship (2013,2015)

Skills   TOEFL: 98; GRE: 310+3.5; CET6: 537; Third-level Certificate for National Computer

Computer Skills:Proficient in Python, Tensorflow, Matlab, C/C++

Personal Website   https://zhiwenfan.github.io/

Reference   **Xinghao Ding**

Professor, Department of Communication Engineering, Xiamen University.

Email: dxh@xmu.edu.cn

John Paisley

Assiociate professor, Department of Electrical Engineering, Columbia University.

Email: jpaisley@columbia.edu