YUEMING JIN

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EDUCATION

The Chinese University of Hong Kong (CUHK) *Aug. 2015 - Present*
Ph.D., Computer Science and Engineering
Advisor: Prof. Pheng-Ann Heng and Prof. Chi-Wing Fu

Northeastern University (NEU) *Sep. 2012 - Jun. 2015*
B.E., Biomedical Engineering
GPA: 90.8/100 (3.9/4.0), Rank: 1/107

RESEARCH INTERESTS

My research interests include medical image computing, surgical robotic vision, deep learning.
I am dedicated to bringing deep learning for complex time-series medical data analysis, applied primarily to endoscopy and robotic surgery.

PUBLICATIONS

1. Multi-Task Recurrent Convolutional Network with Correlation Loss for Surgical Video Analysis
Yueming Jin, Huaxia Lia, Qi Dou, Hao Chen, Jing Qin, Chi-Wing Fu, Pheng-Ann Heng
Minor Revision at Medical Image Analysis (**MedIA, IF: 5.35**), 2019.

2. Deep Learning Automation for Head and Neck Radiotherapy Planning in Nasopharynx Cancer
Li Lin, Qi Dou, **Yueming Jin**, Guanqun Zhou, Yiqiang Tang, Weilin Chen, Bao-An Su, Feng Liu, Changjuan Tao, Ning Jiang, Junyun Li, Linglong Tang, Chuanmiao Xie, Shaoming Huang, Pheng-Ann Heng, Jun Ma, Joseph Wee, Melvin Chua, Hao Chen, Ying Sun
Radiology (IF: 7.47), 2019.

3. SV-RCNet:Workflow Recognition from Surgical Videos using Recurrent Convolutional Network
Yueming Jin*, Qi Dou*, Hao Chen, Lequan Yu, Jing Qin, Chi-Wing Fu, Pheng-Ann Heng
IEEE Transactions on Medical Imaging (**TMI, IF: 6.13**), 2018.

4. Automated Pulmonary Nodule Detection via 3D ConvNets with Online Sample Filtering and Hybrid-Loss Residual Learning.
Qi Dou, Hao Chen, **Yueming Jin**, Huangjing Lin, Jing Qin, Pheng-Ann Heng
Medical Image Computing and Computer Assisted Intervention (**MICCAI**), 2017.

5. 3D Deeply Supervised Network for Automated Segmentation of Volumetric Medical Images
Qi Dou, Lequan Yu, Hao Chen, **Yueming Jin**, Xin Yang, Jing Qin, Pheng Ann Heng
Medical Image Analysis (**MedIA, IF: 5.35**), 2017. **Best Paper Award**

6. Reconfigurable Interlocking Furniture
Peng Song*, Chi-Wing Fu*, **Yueming Jin**, Hongfei Xu, Ligang Liu, Pheng-Ann Heng, Daniel Cohen-Or
ACM Transactions on Graphics (**ACM TOG, IF: 4.22**), **SIGGRAPH Asia**, 2017.

7. 3D Deeply Supervised Network for Automatic Liver Segmentation from CT Volumes
   Qi Dou, Hao Chen, **Yueming Jin**, Lequan Yu, Jing Qin, Pheng-Ann Heng
   Medical Image Computing and Computer Assisted Intervention (**MICCAI**), 2016.

8. Non-Local Sparse and Low-Rank Regularization for Structure-Preserving Image Smoothing
   Lei Zhu, Chi-Wing Fu, **Yueming Jin**, Mingqiang Wei, Jing Qin, Pheng-Ann Heng
   Computer Graphics Forum (**Pacific Graphics**), 2016.

9. A Renal Vascular Compartment Segmentation Method based on Dynamic Contrast-Enhanced Images
   Hong Li, Nan Bao, Xieping Xu, Yaonan Zhang, Shikai Jin, **Yueming Jin**, Haoran Sun
   Technology and Health Care, 2016.

10. The Feasibility for Dicrotic Augmentation Index to Replace Tidal Augmentation Index.
    Yingfei Su, Yahui Zhang, **Yueming Jin**, Yang Yao, Ruifeng Zhang, Yongsheng Jiang, Lisheng Xu
    Information and Automation (**ICIA**), IEEE International Conference on. IEEE, 2014.

11. Estimation of Carotid Artery Pressure Waveform by Transfer Function and Radial Pressure Waveform
    Yang Yao, Liling Hao, Ning Geng, **Yueming Jin**, Shangjie Du, Lisheng Xu
    Intelligent Control and Automation (**WCICA**), 11th World Congress on. IEEE, 2014.

AWARDS AND HONORS

Hong Kong PhD Fellowship	*2015-2019*
MedIA-MICCAI'17 Best Paper Award	*2017*
Winner of MICCAI Surgical Workflow Challenge on M2CAI	*2016*
Teaching Assistant of Merit	*2016*
Outstanding Graduates of Northeastern University	*2015*
National Scholarship of China	*2013, 2014*

PROFESSIONAL ACTIVITIES

Membership of IEEE, MICCAI, SIGGRAPH Society
Conference Review: MICCAI'19, MIDL'19, MICCAI'18
Journal Review: SPIE Journal of Medical Imaging, IEEE Access
Student Volunteer of 2016 SIGGRAPH Asia

TEACHING

CSCI3260 Principles of Computer Graphics	*2016, 2017 Fall*
CSCI2100 Data Structures	*2016, 2017 Spring*
ESTR2104 Digital Logic and Systems	*2015 Fall*

SKILLS

Programming	Python, C/C++, MATLAB
Toolkits	PyTorch, Caffe, Tensorflow, LATEX