CONFERENCE PROGRAM

Monday, October 14, 2019 (Cont.)

11:42-12:00 Questions and Discussion
12:00-13:00 Lunch; Poster Session #1: Microscopy and Photo-optical Imaging
13:00-14:00 Lunch; Poster Session #2: Neuroimaging
14:00-15:30 Industry Forum
Keynote: AI Medical Imaging in China: Now and Future
Prof. Shiyuan Liu
Panel Discussion
15:30-16:30 Coffee Break; Poster Session #3: Segmentation and Registration 1
16:30-17:30 MICCAI Society: New Fellows and Enduring Impact Award
MICCAI General Assembly
17:30-18:30 Oral Session 2: Industry Session
Chairs: Sean Zhou, Islem Rekik
17:30 Siemens: Quantifying and Leveraging Classification Uncertainty for Chest Radiograph Assessment
Florin Ghesu, Bogdan Georgescu, Eli Gibson, Sebastian Guendel, Mannudeep Kalra, Ramandeep Singh, Ramandeep Singh, Subba Digumarthy, Sasa Grbic, Dorin Comaniciu
17:38 Tencent: Pairwise Semantic Segmentation via Conjugate Fully Convolutional Network
Renzhen Wang, Shiwei Cao, Kai Ma, Deyu Meng, Yefeng Zheng
17:46 Ping An Institute (PAII): Accurate Esophageal Gross Tumor Volume Segmentation in PET/CT using Two-Stream Chained 3D Deep Network Fusion
Dakai Jin, Dazhou Guo, Tsung-Ying Ho, Adam Harrison, Jing Xiao, Chen-Kan Tseng, Le Lu
17:54 United Imaging Intelligence (UII): Dynamic Spectral Convolution Networks with Assistant Task Training for Early MCI diagnosis
Xiaodan Xing, Qingfeng Li, Hao Wei, Minqing Zhang, Yiqiang Zhan, Xiang Zhou, Zhong Xue, Feng Shi
18:02 Malong: Dual-Stream Pyramid Registration Network
Miao Kang, XiaoJun Hu, Weilin Huang, Matthew Scott, Roland Wiest, Mauricio Reyes
18:10 Lunit: PseudoEdgeNet: Nuclei Segmentation only with Point Annotations
Inwan Yoo, Donggeun Yoo, KyoungHyun Paeng
18:18-18:30 Questions and Discussion
19:00-20:00 Academy & Industry: Panel Discussion - When Academy Meet Industry & Clinician
20:00-21:00 Academy & Industry: Networking
19:00-20:00 Questions and Discussion
20:00-21:00 Academy & Industry: Panel Discussion - When Academy Meet Industry & Clinician
21:00-22:00 Academy & Industry: Networking

CONFERENCE PROGRAM

Tuesday, October 15, 2019

07:00-08:00 MICCAI Running
07:30-17:00 Registration
08:30-09:30 Keynote Session #2
Psychoradiology: The Forefront of Clinical Neuroimaging
Professor Qiyong Gong
09:30-10:00 Coffee Break
10:00-11:30 Oral Session 3: Reconstruction and Synthesis
Chairs: Mingxia Liu, Sotirios Tsaftaris
10:00 Attenuation Imaging with Pulse-Echo Ultrasound based on an Acoustic Reflector
Richard Rau, Ozan Unal, Dieter Schweizer, Valery Vishnevskiy, Orcun Goksel
10:08 Model-based Convolutional De-Aliasing Network Learning for Parallel MR Imaging
Yanxia Chen, Taohui Xiao, Cheng Li, Qiegen Liu, Shanshan Wang
10:16 Stereo-Correlation and Noise-Distribution Aware ResVoxGAN for Dense Slices Reconstruction and Noise Reduction in Thick Low-Dose CT
Rongjun Ge, Guanyu Yang, Chenchu Xu, Yang Chen, Limin Luo, Shuo Li
10:24 Reconstructing High-Quality Diffusion MRI Data from Orthogonal Slicedsampled Data Using Graph Convolutional Neural Networks
Yoonmi Hong, Geng Chen, Pew-Thian Yap, Dinggang Shen
10:32 Detection and Correction of Cardiac MRI Motion Artefacts during Reconstruction from k-space
Ilkay Okuz, James Clough, Bram Ruijsink, Esther Puyol-Anton, Aurelien Bustin, Gastao Cruz, Claudia Prieto, Daniel Rueckert, Andrew King, Julia Schnabel
10:40 Artifact Disentanglement Network for Unsupervised Metal Artifact Reduction
Haofu Liao, Wei-An Lin, Jianbo Yuan, S. Kevin Zhou, Jiebo Luo
10:48 Wavelet-Based Semi-Supervised Adversarial Learning for Synthesizing Realistic 7T from 3T MRI
Liangqiong Qu, Shuai Wang, Pew-Thian Yap, Dinggang Shen
10:56 Ki-GAN: Knowledge Infusion Generative Adversarial Network for Photoacoustic Image Reconstruction in vivo
Hengrong Lan, Kang Zhou, Changchun Yang, Jun Cheng, Jiang Liu, Shenghua Gao, Fei Gao
11:04 VS-Net: Variable Spitting Network for Accelerated Parallel MRI Reconstruction
Jinming Duan, Jo Schlemper, Chen Qin, Cheng Ouyang, Wenjia Bai, Carlo Biffi, Ghalib Bello, Ben Statton, Declan O’Regan, Daniel Rueckert
11:12-11:30 Questions and Discussion
11:30-12:30 Lunch; Poster Session #4: Segmentation and Registration 2
12:30-13:00 Lunch