

The Third International Workshop on Deep Learning in Bioinformatics, Biomedicine, and Healthcare Informatics (DLB2H 2019)

Date and Time: 10:30am - 5:30pm, November 20

Room: TBA

Workshop Chairs: Jung Hun Oh and Mingon Kang

Time	Title	Presenter/Author
10:30 am – 10:40 am	Opening Remarks	Mingon Kang
10:40 am – 11:00 am	"Multi-Class Segmentation of Lung Immunofluorescence Confocal Images Using Deep Learning"	Shu Isaka, Hiroharu Kawanaka, Bruce Aronow, and V. B. Surya Prasath
11:00 am – 11:20 am	"Deep Learning for Natural Image Reconstruction from Electrocardiography Signals"	Hiroto Date, Keisuke Kawasaki, Isao Hasegawa, and Takayuki Okatani
11:20 am – 11:40 am	"3D Deep Convolutional Neural Networks in Lattice Light-Sheet Data Puncta Segmentation"	Johannes Schoeneberg, Gautham Raghupathi, Eric Betzig, and David Drubin
11:40 am – 12:00 am	"Classification of Neurodevelopmental Age in Normal Infants Using 3D-CNN based on Brain MRI"	Mahdeih shabaniyan, Eugene C. Eckstein, Hao Chen, and John P. DeVincenzo
12:00 pm – 2:00 pm	Lunch	
2:00 pm – 2:20 pm	"Vessel lumen identification in internal carotid artery ultrasounds with deep convolutional neural networks"	Meiyan Xie, Yunzhu Li, Yunzhe Xue, Randy Shafritz, Saum Rahimi, Justin Ady, and Usman Roshan
2:20 pm – 2:40 pm	"Left Ventricle Motion Estimation Based on Unsupervised Recurrent Neural Network"	Ziyu Gan, Jiangyue Tang, and Xuan Yang
2:40 pm – 3:00 pm	"Cross Attention Densely Connected Networks for Multiple Sclerosis Lesion Segmentation"	Beibei Hou, Guixia Kang, Xin Xu, and Chuan Hu
3:00 pm – 3:20 pm	"Alzheimer's Disease Diagnosis Using Enhanced Inception Network Based on Brain Magnetic Resonance Image"	Zhenyu Cui, Zhiao Gao, Jiaxu Leng, Tianlin Zhang, Pei Quan, and Wei Zhao
3:20 pm – 3:40 pm	"A New Approach Of Applying Deep Learning To Protein Model Quality Assessment"	Junlin Wang, Wenbo Wang, and Yi Shang
3:40 pm – 4:00 pm	Coffee Break	
4:00 pm – 4:20pm	"Dose Prediction for Prostate Radiation Treatment: Feasibility of a Distance-Based Deep Learning Model"	Maryam Tavakoli, Boshu Ru, Tianyi Xie, Q. Jackie Wu, Mirsad Hadzikadic, and Yaorong Ge
4:20 pm – 4:40 pm	"Using Convolutional Neural Network to Study the Regulatory Relationship Between DNA Methylation and Gene Expression"	Jingting Xu, Derek Reiman, Shang Gao, and Yang Dai
4:40 pm – 5:00 pm	"Simultaneous Multiple Features Tracking of Beats: A Representation Learning Approach to Reduce False Alarm Rate in ICUs"	behzad ghazanfari, Sixian Zhang, Fatemeh Afghah, and Nathan Payton- McCauslin
5:00 pm – 5:20 pm	"Capsule Network for predicting zinc binding sites in metalloproteins"	Clement Essien, Duolin Wang, and Dong Xu
5:20 pm – 5:30 pm	Closing Remarks	