

Final Program

MLCDS-2018

Morning Half-day Session: September 20, 9:00am-1:00pm

9:00 – 9:10 **Welcome**

9:10 – 10:00 **Invited Speaker:** Role of AI Guided Clinical Decision Support in Neurology, [Jeremy Slater, M.D., Chief Medical Officer, Alliance Family of Companies, and Professor of Neurology, University of Texas Health Science Center](#)

10:00 - 10:30 **Oral 1:** *Multi-task Sparse Low-rank Learning for Multi- classification of Parkinson's Disease*, H. Lei, Y. Zhao, B. Lei, Shenzhen University.

10:30 - 11:00 **Oral 2:** *A Multi-Scale Multiple Sclerosis Lesion Change Detection in a Multi-Sequence MRI*, M. Cheng, A. Galimzianova, Z. Lesjak, Z. Spiclin, C. B. Lock, D. L. Rubin, Stanford University, and University of Ljubljana.

11:00 - 11:30 **Coffee break**

11:30 - 12:00 **Oral 3:** *Integrating deformable modeling with 3D deep neural network segmentation*, H. H. Tang, M. Moradi, C L Wong, H Wang, A El Harouni, T. Syeda-Mahmood, IBM Almaden Research Center.

12:00 - 12:30 **Oral 4:** *Optic Disc segmentation in Retinal Fundus Images using Fully Convolutional Network and Removal of False-positives Based on Shape Features*, S. Sadhukhan, G. K. Ghorai, S. Maiti, V. A. Karale, G. Sarkar, and A. K. Dhara, Jadavpur University, IIT Kharagpur, IIT Naya Raipur.

12:30-1:00 **Panel with experts from academia, clinicians and industry**

1:00-1:05 Wrap up