CREATE-MIA Summer School, 2013
Schedule

Location: Trottier Building, 3630 University St., Mornings in Rm. 2120, Afternoons in Rm. 3120

Wednesday, June 5

Time	Title	Speaker
9:00 - 9:15	Welcoming remarks	Prof. Kaleem Siddiqi, *School of Computer Science, McGill University, Program Director of CREATE-MIA*
9:15 - 10:15	The Business of Science	Prof. Ken Lester, *Lester Asset Management; Desautels Faculty of Management, McGill University*
10:15 - 10:45	**BREAK**	
10:45 - 12:00	The Business of Science, *cont'd*	Prof. Ken Lester, *Lester Asset Management; Desautels Faculty of Management, McGill University*
12:00 -1:30	**LUNCH**	
1:30 - 2:30	Raw data to tensors and beyond -- theory	Prof. Maxime Descoteaux, *SCIL, Université de Sherbrooke*
2:30 - 3:00	**BREAK**	
3:00 - 5:00	Raw data to tensors and beyond -- practice	Prof. Maxime Descoteaux, *SCIL, Université de Sherbrooke*

Thursday, June 6

Time	Title	Speaker
9:00 - 9:30	Surface reconstruction in 3D freehand ultrasound with modeling and visualization of uncertainty	Houssem-Eddine Gueziri, *Electrical Engineering, ÉTS*
9:30 - 10:00	Moving Frames for Heart Fiber Geometry	Emmanuel Piuze-Phaneuf, *School of Computer Science, McGIll*
10:00 - 10:30	**BREAK**	
10:30 - 11:00	Diffeomorphic Spectral Matching of Cortical Surfaces	Dr. Hervé Lombaert, *School of Computer Science, McGill University*
11:00 - 11:30	Diffusion Spectrum Imaging Optimization	Michael Paquette, *SCIL, Université de Sherbrooke*
11:30 - 12:00	Clustering streamlines generated from dMRI datasets	Dr. Eleftherios Garyfallidis, *SCIL, Université de Sherbrooke*
12:00 -1:30	**LUNCH**	
1:30 - 2:30	Fiber tracking and applications -- theory	Prof. Maxime Descoteaux, *SCIL, Université de Sherbrooke*
2:30 - 3:00	**BREAK**	
3:00 - 5:00	Fiber tracking and applications -- practice	Prof. Maxime Descoteaux, *SCIL, Université de Sherbrooke*

Last updated: Thursday, 30 May, 2013

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Friday, June 7

Time	Title	Speaker
9:00 - 9:30	Registration of Pre-operative MR to Intra-operative US for Image Guided Neurosurgery	Dante De Nigris Moreno, *Electrical and Computer Engineering, McGill University*
9:30 - 10:00	MRI Acquisition and Analysis Methods for Image-guided Deep Brain Neurosurgery : Target Localization and Decision Making Platform for Pre-operative Planning	Halleh Ghaderi, *Biomedical Engineering, McGill University*
10:00 - 10:30	**BREAK**	
10:30 - 11:00	Spatial specificity of cortical blood-oxygenation and blood-volume signals: implications for high-resolution fMRI and fMRI-based decoding	Ze Shan Yao, *Biomedical Engineering, McGIll University*
11:00 - 11:30	Imaging the spatiotemporal cortical response to motion in the visual field	Sepide Movaghati, *Biomedical Engineering, McGill University*
11:30 - 12:00	Predictive coding and orientation selectivity in visual cortex	Shahab Kadkhodaeian Bakhtiari, *Biomedical Engineering, McGill University*
12:00 -1:30	**LUNCH**	
1:30 - 2:30	Bring your own data -- practice	Prof. Maxime Descoteaux, *SCIL, Université de Sherbrooke*
2:30 - 3:00	**BREAK**	
3:00 - 4:45	Bring your own data -- practice	Prof. Maxime Descoteaux, *SCIL, Université de Sherbrooke*
4:45 - 5:00	Concluding remarks	Prof. Kaleem Siddiqi, *School of Computer Science, McGill University, Program Director of CREATE-MIA*

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