



2015 CREATE-MIA SUMMER SCHOOL SCHEDULE: MAY 21
Location: McConnell Engineering, MC103

| Time | Title | Speaker |
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| 10:00am - 10:20am | Cross-species analysis of negative blood oxygenation and volume functional MRI responses | Alexandre Hutton, <i>Biomedical Engineering, McGill University</i> |
| 10:20am - 10:40am | Voxel Selection Templates for Medical Image Registration | Chris Donnelly, <i>Electrical & Computer Engineering, McGill University</i> |
| 10:40am - 11:00am | Surface tracking from the cortical mesh | Etienne St-Onge, <i>Computer Science, Université de Sherbrooke</i> |
| 11:00am - 11:20am | COFFEE BREAK | |
| 11:20am - 11:40am | TBA | Andrew Doyle, <i>Electrical and Computer Engineering, McGill</i> |
| 11:40am - noon | Simulation of laser profilometry | Zeshan Yao, <i>Biomedical Engineering, McGill University</i> |
| noon - 12:20pm | Automated Segmentation of White Matter Hyperintensities in Alzheimer's Disease | Mahsa Dadar, <i>Biomedical Engineering, McGill University</i> |
| 12:20pm - 12:40pm | Challenges of surgical planning and assisted surgery | Francois Rheault, <i>Computer Science, Université de Sherbrooke</i> |
| 12:40pm - 2:15pm | LUNCH | |
| 2:15pm - 2:35pm | Hippocampus atrophy as Alzheimer's biomarker: from Segmentation to Prediction | Azar Zandifar, <i>Biomedical Engineering, McGill University</i> |
| 2:35pm - 2:55pm | User-Guided Graph Reduction for Fast Image Segmentation | Housseem-Eddine Gueziri, <i>Electrical Engineering, ÉTS</i> |
| 2:55pm - 3:15pm | Path planning using flux graphs | Babak Samari, <i>School of Computer Science, McGill University</i> |
| 3:15pm - 3:35pm | Depth discrimination in cluttered 3D volumes | Shayan Rezvankhah, <i>School of Computer Science, McGill University</i> |

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| 3:35pm - 3:55pm | COFFEE BREAK and election of the Student Representative to the CREATE-MIA Program Committee for the coming year | |
| 3:55pm - 4:15pm | Laminar specific Current Source Density (CSD) based Prototype for Multi-contact Linear Electrode | Niladri Mohanty, <i>Biomedical Engineering, McGill University</i> |
| 4:15pm - 4:35pm | Modeling Cardiac Mechanics | Damien Goblot, <i>School of Computer Science, McGill University</i> |
| 4:35pm - 4:55pm | MS Lesion Segmentation | Maor Zaltzhendler, <i>Electrical & Computer Engineering, McGill University</i> |