



PROGRAM

18th February: AI and Rehabilitation - Phillipe Pudlo

9:00	Opening session of the day	
9:15	Session 1: AI and locomotor disorders detection	1.1 Anaïs Chaumeil / Mathias Blandeau ETS Montréal - LAMIH Towards and ecological evaluation of falling risk 1.2 Babak Taati KITE Research Institute Toronto Rehab UHN, U Toronto Assessing neurological and rare diseases through motion analysis
10:45	Coffee break	
11:00	Session 2: AI and personalizing healthcare program	2.1 Neila Mezghani TELUQ - ETS Montréal Personalizing orthopedic treatment for knee surgery 2.2 Matei Mancas Université de Mons Heterogeneous data and time-line for personalizing healthcare
12:30	Lunch break	
14:00	Session 3: AI for rehabilitation and mobility assistance	3.1 Guillaume Durandau CRIR - Mc Gill University Neuromusculoskeletal modelling and deep learning for balance study 3.2 Sylvia Pelayo CIC-IT Lille Beyond the myth of AI: practices, empowerment, and system transformations. Designing & implementing AI for rehabilitation and mobility assistance
15:30	Round table discussion (Pablo Piantanida + Philippe Pudlo + speakers)	
16:15	End of DAY 1	

19th February: AI, vision & robotics in healthcare – Nicolas Thome

8:45	Opening session of the day	
9:00	Session 1: Surgery	1.1 Stefan Parent (Sainte-Justine University Hospital, Montreal) 1.2 Raphael Vialle (APHP, Trousseau hospital, Paris)
10:30	Coffee break	
11:00	Session 2: Surgical Vision & Robotics	2.1 Marta Kersten-Oertel (Concordia University) 2.2 Nicolas Padoy (Icube, University of Strasbourg)
12:30	Lunch break	
13:30	Session 3: AI for Robotics 1	3.1 Shizhe Chen (INRIA Paris, Willow) 3.2 Glen Berseth (Mila, Université de Montréal)
15:00	Coffee break	
15:30	Session 4: AI for Robotics 2	4.1 Olivier Stasse (LAAS-CNRS, Toulouse) 4.2 Doina Precup McGill University & DeepMind)
17:00	End of DAY 2	

20th February: Understanding the Brain with AI – Sylvain Bouix

9:00	Opening session of the day	
9:15	Session 1: Evaluating reproducibility and performance in AI-driven brain research	1.1 Tristan Glatard <i>CAMH – Krembil Centre for Neuroinformatics</i> 1.2 Ninon Burgos <i>Paris Brain Institute</i>
10:45	Coffee break	
11:00	Session 2: Mapping the brain function with AI	2.1 Lune Bellec <i>Université de Montréal</i> 2.2 Bertrand Thirion <i>INRIA Saclay</i>
12:30	Lunch break	
14:00	Session 3: Predicting brain disorders	3.1 Tal Arbel <i>McGill University</i> 3.2 Demian Wassermann <i>INRIA Saclay</i>
15:30	Round table discussion (Pablo Piantanida + Sylvain Bouix + speakers)	
16:15	End of DAY 3	

Address:

Salon des Diplômés Vidéotron (E2033), Pavillon E de l'ETS
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