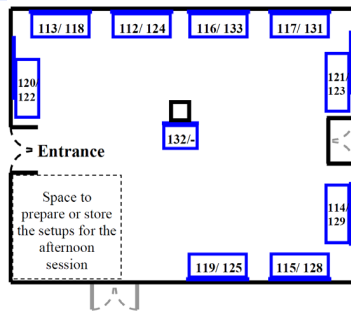
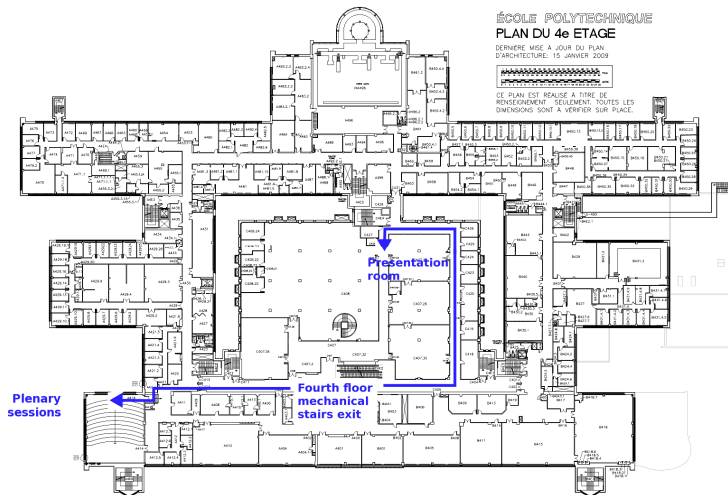


Maps

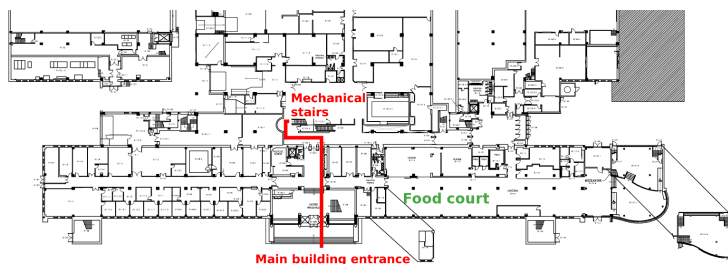
Presentation Room (C407.22)



4th floor



1st floor



IFTToMM/ ASME Workshop on Underactuated Grasping

August 19, 2010
Montréal, Canada

Workshop Program

Venue:

Génie mécanique,
École Polytechnique de Montréal
Campus de l'Université de Montréal
2500 chemin de Polytechnique
Montréal, QC, H3T 1J4
Canada

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Jian Dai, UK
Michael Goldfarb, USA
Clement Gosselin, Canada
Just Herder, The Netherlands (Chair)
Shigeo Hirose, Japan
Sebastien Krut, France
Vijay Kumar, USA
Thierry Laliberté, Canada
Gabriele Vassura, Italy
Ian Walker, USA
Rich Walker, UK
Wen-zeng Zhang, China
Matteo Zoppi, Italy



9.00	Welcome	A416
9.15	Keynote by prof. Clément Gosselin	A416
10.00	Fast Forward Presentations (1)	A416
10.15	Coffee Break	C407.22
10.45	Interactive Session (1)	C407.22
	112 – Cyril Quennouelle, Clément Gosselin <i>Quasi-static modelling of compliant mechanisms: application to a 2-DOF underactuated finger</i>	
	113 – Demeng Che, Wenzeng Zhang <i>Tendon style gesture-changeable underactuated humanoid robot hand: a dexterous and self-adaptive hand</i>	
	114 – Cory Meijneke, Gert A. Kragten, Martijn Wisse <i>Design and performance assessment of an underactuated hand for industrial applications</i>	
	115 – Gert A. Kragten, Cory Meijneke, Just L. Herder <i>A proposal for benchmark tests for underactuated or compliant hands</i>	
	116 – Louis-Alexis Allen Demers, Clément Gosselin <i>Kinematic design of a finger abduction mechanism for an anthropomorphic robotic hand</i>	
	117 – Thierry Laliberté, Mathieu Baril, François Guay, Clément Gosselin <i>Towards the design of a prosthetic underactuated hand</i>	
	119 – Martin Riedel, Marwene Nefzi, Burkhard Corves <i>Grasp planning for a reconfigurable parallel robot with an underactuated structure</i>	
	120 – Bryan Bergelin, Brian Slaboch, Jinming Sun, Philip A. Voglewede <i>A handy new design paradigm</i>	
	121 – François Guay, Clément Gosselin <i>Static model for a 3-DOF underactuated finger</i>	
	132 – Peter Kyberd, Adam Clawson, Ben Jones <i>The use of underactuation in prosthetic grasping</i>	
12.00	Lunch (self-paid, approx. \$6)	1 st floor

13.30	Fast Forward Presentations (2)	A416
13.45	Interactive Session (2)	C407.22
	118 – Muhammad E. Abdallah, Charles W. Wampler <i>Torque control of underactuated tendon-driven fingers</i>	
	122 – Sébastien Krut, Vincent Bégoc <i>A simple design rule for 1st order form-closure of underactuated hands</i>	
	123 – Nivedhitha Giri, Ian D. Walker <i>Continuum robots and underactuated grasping</i>	
	124 – Lionel Birglen <i>The kinematic preshaping of triggered self-adaptive linkage-driven robotic fingers</i>	
	125 – Lael Odhner, Ravi Balasubramanian, Aaron Dollar <i>New models for understanding the compliant behavior of underactuated manipulator fingers</i>	
	128 – Leif P. Jentoft, Robert D. Howe <i>Compliant fingers make simple sensors smart</i>	
	129 – Matei Ciocarlie, Peter Allen <i>A constrained optimization framework for compliant underactuated grasping</i>	
	131 – Louis-Alain Larouche, Lionel Birglen <i>Design and first experiments with a new underactuated finger</i>	
	133 – Lionel Birglen <i>From flapping wings to underactuated fingers and beyond: a broad look to self-adaptive mechanisms</i>	
15.00	Coffee Break	C407.22
15.30	Closing Plenary	A416