TECH TALK:
Alexandre Lecours, Ph.D., PMP
Project Manager (R&D)
Robotic Algorithms and Control at KINOVA

"Kinova: Life changing robotics"

Friday, October 10, 2014
12:00 – 1:00pm
CIT Building, 4th floor, Room 477, Lubrano Conference Room

Robots evolved from improving manufacturing capabilities in industry to improving quality of life of individuals. This talk will present the robots designed at Kinova (with a live demonstration!) which have a cutting-edge design, embedded controllers and modular compact actuators. A special attention will be put on our experience in the fields of human-robot interaction, service robotics and rehabilitation robotics, which are expanding rapidly, both in research and in commercial applications. We will also demonstrate robotic algorithms designed especially for rehabilitation and service robotics.

KINOVA (http://kinovarobotics.com) is a Canadian company engaged into the design and manufacture of innovative solutions in the field of personal robotics. The team of experts at Kinova is dedicated to offer practical robotic platforms solving real and concrete problematic of daily life, especially in rehabilitation. In 2013 Kinova was listed as one of the 50 most influential public & private companies in the global robotics industry by the Robotics Business Review. Kinova sold robotic arms in more than 25 countries.

Alexandre Lecours is Project Manager (R&D) at Kinova. His principal expertise lies in the areas of Robotic Algorithms, Control and Human-Robot Interaction. He developed products for the automotive industry, rehabilitation and service robotics. He received his B.S. degree from Ecole Polytechnique of Montreal (2008) and his Ph.D. from Laval University (2012).

This presentation is part of the HCRI's multidisciplinary series of talks that showcases diverse and groundbreaking research undertaken by leaders in science, technology, design, and impact of robotics on society.

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