IEEE Canada

THE CENTRE FOR PATTERN ANALYSIS AND MACHINE INTELLIGENCE SEMINAR SERIES

A LOOSE ETHOLOGY OF HUMANS AND ROBOTS

Speaker: Prof. Gentiane Venture, Distinguished Professor,
Tokyo University of Agriculture and Technology

Date: Tuesday, March 20, 2018

Time: 1:30 p.m.

Place: University of Waterloo, Engineering 5 Room 4106 – 4128

Invited by: Professor Dana Kulic

Refreshments will be provided

Abstract:

Though it is common to read that robots are entering our world and lives, and AI may have already, embodied (physical) robots are still to be waited for outside of factories and toys. Yet, they may come soon. In this presentation I would like to discuss the role of the robots in our society, what they could do, how they could change it, and what is at stake for us, and not necessarily what we expect the most: the singularity. Through illustrations with some concrete examples during experiments we have conducted in non-robotics environments and where we have studied the behavior of humans and robots (the loose ethology), I would like to show and question our role as roboticists, what we can do and what we can't (not in a moralistic point of view of course, but rather what is out of control).

Biography:

Gentiane Venture is a French Roboticist who has been working in academia in Tokyo, Japan for more than 10 years. She is a distinguished professor with the Tokyo University of Agriculture and Technology. After graduating from Ecole Centrale de Nantes and obtaining a PhD from University of Nantes in 2000 and 2003 respectively, she worked for one year at the French Nuclear Agency and then for 6 years at the University of Tokyo. She started in 2009 with Tokyo University of Agriculture and Technology where she has established an international research group working on human science and robotics. The researchers of her group try to encompass human motion dynamics and non-verbal communication into complex intelligent robot behavior design to achieve personalized human machine interaction. The work of her group is highly interdisciplinary by collaborating with therapists, sociologists, psychologists, physiologists, philosophers, neuroscientists, ergonomists, biomechanists, and designers.

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