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Seminar Series

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Faculty of Computer Science UNB

Evolve with Machines

By:

Dr. Howard Li

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Unmanned vehicles and robots usually are related to situations involving hazardous environments, repetitive and menial tasks. There is a growing demand and interest in the sensing, perception and navigation control of unmanned ground vehicles (UGVs), unmanned aerial vehicles (UAVs) and autonomous underwater vehicles (AUVs). Unmanned vehicles could be used in many areas, such as surveillance, mine hunting, automatic inspection of power plants and refineries, disposal of hazardous materials and ocean exploration. In this talk, we will present our current research in unmanned vehicles.

Howard Li is an Associate Professor in the Department of Electrical and Computer Engineering, University of New Brunswick, Canada. He is a registered professional engineer in the Province of Ontario, Canada. He is a senior member of IEEE. He received the Ph.D. degree from the University of Waterloo, Canada. He worked with Atlantis Systems International, Defence Research and Development Canada, and Applied AI Systems Inc. to develop unmanned ground vehicles, unmanned aerial vehicles, autonomous underwater vehicles and mobile robots for both domestic and military applications. His research interests include linear control, nonlinear control, intelligent control, distributed control, unmanned vehicles, mechatronics, robotics multi-agent systems, artificial intelligence, motion planning, and simultaneous localization and mapping.

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