THE UNIVERSITY OF HONG KONG

DEPARTMENT OF CIVIL ENGINEERING

SEMINAR

Future Robotics in Agriculture and Space

Professor Chao Chen
Monash University, Australia

Date: 04 December 2026 (Friday)
Time: 02:00 p.m. – 03:00 p.m.
Venue: Room HW633, 6/F Haking Wong Building, The University of Hong Kong

Abstract
Based on the research and development of the Monash Apple Retrieving System (MARS), this talk will explore emerging trends in the agriculture robotics, and how these technologies are reshaping the agriculture. Through real-world case studies in agricultural robotics, the talk will highlight the challenges of bringing robotic technologies from the laboratory into real-world applications. It will also examine the broader applications of robotics in space, inviting reflection on a future in which humans and intelligent machines work collaboratively to transform our society.

About the Speaker
Prof. Chao Chen (陈超) received the B.Eng. degree in Mechanical Engineering at Shanghai Jiao Tong University, and the M.Eng. and Ph.D. degrees in Robotics at McGill University, in 1996, 2002, and 2006, respectively. From 2006 to 2007, he was a Postdoctoral Fellow at the University of Toronto. Prof. Chen joined the Department of Mechanical and Aerospace Engineering at Monash University as a Lecturer in 2007 and established the Laboratory of Motion Generation and Analysis. He was the Deputy Head of Department of Mechanical and Aerospace Engineering. Prof. Chen is currently the Director of ARC Research Hub in Cyber-Farming, with the vision to transform Australian agriculture, add values to agriculture, and achieve sustainability and resilience. Prof Chen is the Academic Founder and Supervisor of the Monash Nova Rover Team, an award-winning team in the University Rover Challenge and Australian Rover Challenge. The present seminar is delivered at the invitation of Prof. Xiao Li (李骁) of the Department of Civil Engineering, The University of Hong Kong, whose research on collaborative intelligence and industrialized construction provides a complementary perspective on how advances in robotic perception, manipulation and autonomy could support future lunar construction and assembly.

- ALL ARE WELCOME -

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