Max Qing-hu MENG
Chairman / Professor of Department of Electronics Engineering, CUHK

Topic: AI and Robotics: Scenario Intelligence

Abstract:
Robotics and artificial intelligence are attracting more and more public attentions and research efforts lately. Recent revolutionary development and drastic progress in robotic technology and artificial intelligence in terms of both hardware capability and software power have made it possible for researchers to redefine what robotics and artificial intelligence can achieve with their joint force in accomplishing complicated human tasks, exploring new applications, and expanding envelops of possibilities. We will use our own research case studies to initiate discussions on how the artificial intelligence shall be combined with or integrated in robotics to tackle tasks that could not be accomplished to our satisfaction. Personal thoughts and outlook on future research efforts and potentials in robotics and artificial intelligence will be outlined to conclude the talk.

Biography:
Max Qing-hu Meng received his Ph.D. degree in Electrical and Computer Engineering from the University of Victoria, Canada, in 1992. He joined The Chinese University of Hong Kong in 2001 and is currently Professor and Chairman of Department of Electronic Engineering. He was with the Department of Electrical and Computer Engineering at the University of Alberta in Canada, serving as the Director of the Advanced Robotics and Teleoperation Lab and holding the positions of Assistant Professor (1994), Associate Professor (1998), and Professor (2000), respectively.

His research interests include robotics, perception, intelligent robots, and medical robotics and devices. He has published some 600 journal and conference papers and led some 50 funded research projects to completion as PI. He has served as an editor of several journals and General and Program Chair of many conferences including General Chair of IROS 2005 and General Chair of ICRA 2021 to be held in Xi'an, China. He is an elected member of the Administrative Committee (AdCom) of the IEEE Robotics and Automation Society. He is a recipient of the IEEE Millennium Medal, a Fellow of IEEE, a Fellow of Canadian Academy of Engineering, and a Fellow of HKIE.