

学术报告会

时间: 2024年9月25日 15:00

地点: 电信群楼2-406会议室

A Robotics Engineer' s Journey: from Academia to Entrepreneurship



Prof. I-Ming Chen
Nanyang Technological University

摘要:

Robotics is Deep Tech involving integration of hardware and software. In this talk, I will share my experience from being an academic faculty member with a 30-year robotics academic R&D career to a robotics entrepreneur with two university spun-off robotics companies: Transforma Robotics for the built environment sector and Hand Plus Robot for the logistics sector. The experiences include team building, technology management, R&D and market directions, fund raising, as well as scaling-up. I will also share some of my thoughts and view on the future development of robotics industry and integration of AI & Robotics from practitioner perspective, which is a drastically different one from academic perspective.

简介:

Prof I-Ming Chen received the B.S. degree from National Taiwan University in 1986, and M.S. and Ph.D. degrees from California Institute of Technology, Pasadena, CA in 1989 and 1994 respectively. He is currently Full Professor in the School of Mechanical and Aerospace Engineering of Nanyang Technological University (NTU) in Singapore, Co-Director of Centre for Advanced Robotic Technology and Innovation (CARTIN) in NTU, Technical Advisor to National Robotics Research Programme Office, Singapore, and Certified Patent Valuation Analyst (CPVA). He was Editor-in-chief of IEEE/ASME Transactions on Mechatronics from 2020 to 2022, and Director of Robotics Research Centre (NTU) from 2013 to 2017. Professor Chen is Fellow of Singapore Academy of Engineering, Fellow of IEEE and Fellow of ASME, General Chairman of 2017 IEEE International Conference on Robotics and Automation (ICRA 2017) in Singapore. His research interests are in logistics and construction robots, wearable devices, human-robot interaction, and industrial automation. He founded Transforma Robotics Pte Ltd developing robots for construction industry and Hand Plus Robotics Pte Ltd developing robotics and AI solutions for logistics and manufacturing industry.