



澳門大學
UNIVERSIDADE DE MACAU
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講者簡介 Speaker Profile

吳建平，博士，清華大學教授，清華大學-劍橋大學-麻省理工學院未來交通研究中心主任，教育部“長江學者”特聘教授。主要研究領域：1) 智慧城市與智慧交通，2) 交通建模與交通仿真，3) 低碳交通與生態交通等。負責過國家級和國際合作科研項目 50 多項，在國際學術期刊和重要學術會議上發表論文 300 多篇。主要社會兼任服務包括：

- 世界工程組織 (WFEO) 工程環境委員會委員
- 英國工程技術學會會士 (FIET)
- 中國城市研究會常務理事
- 交通部民航局智慧機場專家
- 浙江省大灣區建設顧問
- 北京市、杭州市、南寧市、海口市等市人民政府顧問

Doctor WU Jianping is a professor at Tsinghua University, director of the Tsinghua-Cambridge-MIT Future Transport Research Center, and distinguished professor under the Changjiang Scholars programme of the Ministry of Education. His main research interests include: 1) smart city and smart transportation; 2) traffic modelling and traffic simulation; 3) low-carbon transportation and EcoMobility. He has led more than 50 national and international collaborative research projects, with more than 300 papers published in international academic journals and at major academic conferences. He has also taken up the following roles:

- Member of the Committee on Engineering and the Environment of the World Federation of Engineering Organizations
- Fellow of the Institution of Engineering and Technology (UK)
- Executive director of China Urban Research Society
- Expert in smart airport of the Civil Aeronautics Administration of the Ministry of Transport and Communications
- Consultant for the construction of the Zhejiang Great Bay Area
- Consultant of the municipal people's governments of Beijing Hangzhou, Nanning, Haikou, etc.



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講題摘要 Topic Outline

智慧城市與未來交通 Smart City and Future Transport

隨著人工智能和 5G 通信等科學技術的快速發展，無人駕駛已經離我們越來越近了。同時，共享經濟的興起，也在快速的改變著我們的社會和經濟。本演講首先講述無人駕駛發展的現狀與特點以及我們目前面臨的主要挑戰，接著分析在無人駕駛和共享經濟的推動下，未來城市的交通出行模式將發生巨大的變化，由此導致的未來城市將發生巨大變化，人們的生活方式和工作方式也將發生的巨大變化。

With the rapid development of artificial intelligence and 5G technologies, unmanned driving is no longer a castle in the air. At the same time, the emergence of sharing economy is also quickly changing our society and economy. In this talk, the speaker will introduce the current development and characteristics of unmanned driving, and the main challenges we are facing. He will also analyse the drastic changes in urban transport and mobility in the future as a result of unmanned driving and sharing economy. These changes will make a big difference to the cities of tomorrow and to people's ways of living and working.