

UNIVERSITY OF MACAU
FACULTY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

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**New Industries of Internet of Things (IoT) and New
Revolution of Information Technology**
物聯網新興產業發展與新一代信息技術革命

by

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ABSTRACT

In recent years, the rise of the Internet of Things (IoT) technology opens up the post Internet era. In this talk, it will discuss the development of the information society as well as the significant demand trends in China; and the structure of information industry in this post Internet era. By Exploring the ideas of IoT technology and development of the intelligent services with the demands of IoT industry, the new generation of information technology, challenges, collaborative innovation of IoT technology and applications will be addressed.

我國的信息社會發展趨勢與重大需求，後互聯網時代的信息產業結構，物聯網技術思想與智慧服務產業發展，物聯網的產業化應用需求，新一代信息技術及其革命性挑戰，物聯網技術與應用的協同創新。

BIOGRAPHY



Professor Zhu Hongbo, male, Han nationality, is currently supervisor of doctoral degree candidate. He was born in February 1956 in Yangzhou, Jiangsu Province. After graduating from School of Telecommunication Engineering at NUPT and was granted Bachelor of Science in 1982, Professor Zhu remained to teach there. In 1996, Professor Zhu graduated from School of Telecommunication Engineering at Beijing University of Posts and Telecommunications (BUPT) and got his Ph.D degree. He served as Deputy Dean of Electronic Engineering at NUPT from July 1997 to June 1999, Head of the Graduate School at NUPT from July 1999 to July 2005, Head of the School of Communication and Information Engineering at NUPT from July 2005 to April 2009, Head of Communication Technology Research Institute at NUPT from 2006 until present. In June 2008, he

began to serve as Vice President of NUPT.

At present, Professor Zhu also serves as Director of the Key Laboratory of Wireless Communication of Jiangsu Province, academic leader of the center for doctors of the key discipline of Communication and Information System, Vice President of SG3, ITU-R, member of China Institute of Electronics and Vice Chairman of the Academic Working Committee, member of the Communications Branch, Vice Chairman of Radio Application and Management at China Institute of Communications, member of Popularization and Education Working Committee at China Institute of Communications, member of Electromagnetic Compatibility Committee, editor of Chinese Journal of Electronics, editor of Journal on Communications, editor of Chinese Journal of Radio, editor of Journal of Microwaves, Vice Chairman of Journal of Nanjing University of Posts and Telecommunications(Natural Science), member of Jiangsu Institute of Electronics, Chairman of Special Committee of Electronics and Information, member of Jiangsu Institute of Communications, Chairman of Special Committee of Wireless Communications, Vice Director-general of Nanjing Institute of Measurement and Metrology.

Professor Zhu has been engaged in the teaching and research in the fields of communication engineering, wireless communications and electromagnetic compatibility, mobile communications and broadband wireless technology, etc. He has published nearly 200 academic papers, among which over 60 have been included by SCI/EI, a monography and a translated work and he acquired three national patents. Professor Zhu has finished Chairing or co-chairing over 20 scientific research programs at the national, provincial and ministerial levels and is chairing several scientific research programs at the national, provincial and ministerial levels including those of National “973” Project, the National Natural Science Foundation of China, National Defense Scientific Research and the Ministry of Education.

朱洪波：工學博士、教授，博士生導師；南京郵電大學副校長、物聯網國家大學科技園管委會主任、物聯網研究院院長；國際電信聯盟無線電通信局 (ITU-R)SG3副主席；教育部“泛在網路健康服務系統”工程研究中心主任；教育部“寬頻無線通訊與傳感網技術”重點實驗室常務副主任；國家物聯網產業技術發展戰略聯盟副理事長；中國電子學會常務理事、物聯網專家委員會副主任、教育工作委員會副主任；中國通信學會無線電應用與管理專委會副主任、物聯網專委會主任；江蘇省物聯網技術與應用協同創新中心主任；江蘇省“無線通訊”重點實驗室主任；江蘇省重點學科“通信與資訊系統”博士點學科帶頭人；江蘇省通信學會副理事長；科技部“國家973計畫”資訊學科領域專家組成員、國家自然科學基金通信學科評審專家組成員、工信部國家科技重大專項評審專家組成員；《電子學報》、《通信學報》、《電子與資訊學報》、《中國通信》編委。

ALL ARE WELCOME!