



## 林一平教授 (Yi-Bing Lin, Ph.D.) 簡介



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### ■ CURRENT POSITION/INSTITUTION:

- Winbond Chair Professor, NYCU
- Chair Professor, China Medical University and Asia University
- Chair Professor, Miin Wu School of Computing, National Cheng Kung University
- Adjunct Research Fellow, Research Center for Information Technology Innovation, Academia Sinica.

### ■ EDUCATION:

Yi-Bing Lin received his Bachelor's degree from National Cheng Kung University, Taiwan, in 1983, and his Ph.D. from the University of Washington, USA, in 1990.

### ■ PROFESSIONAL EXPERIENCE:

From 1990 to 1995 Yi-Bing Lin was a Research Scientist with Bellcore (Telcordia). He then joined National Chiao Tung University (NCTU) in Taiwan, where he remains. In 2010, Lin became a lifetime Chair Professor of NCTU, and in 2011, the Senior Vice President of NCTU. During 2014 - 2016, Lin was Deputy Minister, Ministry of Science and Technology, Taiwan. Lin is the author of the books *Wireless and Mobile Network Architecture* (Wiley, 2001), *Wireless and Mobile All-IP Networks* (John Wiley, 2005), and *Charging for Mobile All-IP Telecommunications* (Wiley, 2008). Lin is AAAS Fellow, AAIA Fellow, ACM Fellow, IEEE Fellow, and IET Fellow.

### ■ Research Areas:

I am interested in collaborating on projects related to Smart Agriculture, Smart Hospitals, Interactive Artwork, and other specific topics in Smart City using the IoTtalk platform. These specific topics may include smart transportation, smart waste management, and more. Each research topic will have sustainable experimental fields in Taiwan, such as smart farms (with more than 10 sites already built), smart hospitals (in Taichung and Hsinchu), smart buildings (in NCKU, China Medical University Hospital in Taichung and Hsinchu), and interactive art (in NYCU, NCKU, AU, and other locations). For data collection, I will continuously unify the data formats, including smart healthcare (using FHIR), smart agriculture, intelligent buildings

(using TAICS), and intelligent interactions (such as art and movement). The major advantage of IoTtalk is that it provides a sustainable platform for ABloT (AI+ Big Data+IoT) to accommodate the research highlights of these projects. The research highlights can be transformed into reusable AloT (Artificial Intelligence of Things) tools and open datasets.