

# 各國智慧城市發展經驗之研究

林滋賢, 解鴻年, 侯昌佑

建築與都市計畫學系

建築與規劃學院

planner@chu.edu.tw

## 摘要

“Intelligent city” signifies that the development of a city has come to a whole ball game. This is a process that is much concerned and explored for the development of human city development in recent years, an advanced product that comes from IT revolution and knowledge economy development, and even a new model which is the fusion of industrialization, urbanization and information technology.

Under the impact of such as a new way of thinking, governments around the world have started to build a picture of how to combine IT applications and local specialties and promote that to the world and improve their countries' competitiveness since the 1990s. Currently, intelligent city projects have been initiated and are underway throughout the planet, and the number is growing rapidly. This involves administrations, energy, transportation, finance, agriculture, medical practice and education. There have been hundreds of practical applications, which have become the main axis of urban development in the future. One of the most famous organizations in this field, the Intelligent Community Forum (ICF), can help us understand how the intelligent cities have evolved. ICF selects the most representative intelligent city in the world every year to honor and advocate their beliefs. Award by ICF is now the testimony that recognizes the intelligent development of a city or country in the world. Clearly, to create an intelligent city is now a major indicator of regional development in advanced countries. In Taiwan, urban population keeps growing, and people's demands for urban infrastructures are increasing as well. The promotion and development of intelligent cities is a topic and challenge that all the city leaders today have to listen and answer.

Based on the trends and points of view mentioned above, ICF was introduced for background study. In-depth investigation was conducted on the

successful experiences of intelligent city development collected around the world. By analyzing and generalizing the cases collected, the key points of global intelligent city development were acquired, which provided extensive understanding of intelligent diversification and problem solving ability and the extent and direction of development of competitors throughout the world. Finally, the information of case studies, factors of success and future trends were summarized and the direction of ICF' s ideal intelligent city development strategies was proposed.

關鍵字：Intelligent City, Broadband Economy , Intelligent Community Forum , Urban development , Competitiveness