

Urban Infra Forum

Date	May 19 th , 2016, 17:30 ~ 19:00
Venue	Changgong Hall, University of Seoul
Title	ICT and Smart City
Overview	<p>1. The special lecture was delivered by Mr. Wonki Min, the deputy minister at the Ministry of Science, ICT and Future Planning. Prof. Shin Lee introduced the speaker. Mr. Min has more than twenty five years' experience of working in Korean government and International Organizations in the field of ICT related policy development. He was the chairman of the 19th plenipotentiary conference of the International Telecommunications Union (ITU). He has written four books on the subject and is also an adjunct professor at the SNU.</p> <p>2. The honorable speaker introduced the topic by explaining the term of smart city. Usually eight features are identified for the purpose and any city which has at least five of them is recognized as a smart city. The speaker stated that urbanization had become one of the greatest challenges for all countries. Currently, the world's urban population is slightly above half of its total population. Whereas by 2050, the share of urban population will be around 70%. Such a growing pace of urbanization poses many challenges for efficient management and sustainability of the cities. The idea of Smart City, which is based on innovative uses of ICT, is in fact an effective response to these challenges. The key aspects of a smart city are identified as smart building, smart energy and smart mobility. Currently around 170 smart city projects are being executed in the world. The working of smart city revolves around high speed connectivity, sensors, integration of data, data analytics and correct decisions on the basis of data analysis. The smart city measures help reduce energy use and pollution and improve building efficiency, energy production and urban mobility.</p> <ul style="list-style-type: none"> • The speaker cited the example of Anyang city in Gyeonggi province of Korea, which manages many of its functions through smart city applications for which a U-integrated situation room plays the key role. • ICT is an enabling technology which can raise the efficiency and productivity of whole industries and service sectors. • Cities around the world have started to practice smart city solutions. In order for a city to become smart, it needs financing solutions, interoperability of communication systems, data security protocols, human resource skills and cooperation among different government agencies. <p>3. The speaker ended his lecture with the following quote from the IDC.</p>

"Smart city is a question of when, not if."

4. After the lecture, a useful Q&A session took place.