

The National Center for Smart Growth & the Environmental Finance Center host

A Brown Bag Presentation by Tschangho John Kim

Friday, April 18, 2008

11:00 AM – 12:00 noon

Room 1112V | Preinkert Field House (Bldg 54) | University of Maryland, College Park, MD

Role of Transportation in Smart Cities in the Information Age

According to the United Nations Secretariat (United Nations, 2006), the world population would reach 8.2 billion by 2030 with 60.8 percent of this total expected to live in urban areas. The resources needed to support the estimated population at large, particularly for the urban population, would be insurmountable.

Dr. Kim postulates that urban sustainability is a concept that refers to an acceptable level of social costs associated with the daily activities and physical movement of people or goods to accomplish these activities. Then the key social costs that burden the economy at large are related to the use/misuse of scarce urban land, a decay of environmental quality, traffic accidents and traffic congestion. The question that he likes to pose is how can and should public policy operate to achieve sustainable urban areas? Are technologies, such as information and communication technologies (ICTs) and ubiquitous geographic information (UBGI), the keys to unlock knowledge that will help us achieve a sustainable global urban system in a ubiquitous technology space? Dr. Kim will try to identify the challenges and opportunities that arise in the development of strategic plans and policies that address the problems associated with rapid global urban population growth. Toward that objective, he will examine the role that transportation should play in striving for intelligent and sustainable development for smart cities in the future.

Tschangho John Kim

Dr. Tschangho John Kim has been Endowed Professor of Urban and Regional Systems at the University of Illinois at Urbana-Champaign since 2002; he has been associated with UIUC in various capacities since 1985. He received a B.S. in Architectural Engineering from Hanyang University, Seoul, and an Architecture degree from the Graduate School of Architecture in Vienna, Austria. He received both his M.A. and Ph.D. in Urban Planning from Princeton. Since 1990, Dr. Kim has procured a total of \$ 4.2 million in research grants (as of December 31, 2007). He has authored, co-authored and co-edited eight books, and published 30 book chapters, 60 refereed articles and 40 non-refereed articles. Currently, Dr. Kim serves as President of the Western Regional Science Association, as a member of the Ubiquitous City Planning Task Force, Ministry of Construction and Transport, Korea, and as a Senior Advisor to the 2014 PyeongChang Olympic Winter Games Bid Committee. He is a Fellow of the Regional Science Association International (RSAI), and the National Academy of Engineering of Korea.