Dr. Tschangho John Kim, Endowed Professor Emeritus of Urban and Regional Systems at University of Illinois at Urbana-Champaign (UIUC) and is a Distinguished Visiting Professor at George Mason University. He is a Fellow of Regional Science Association International, and has published 9 books, 142 journal articles, book chapters, and professional articles in the areas of transportation planning, urban and regional development, global urbanization, geographic information systems, intelligent transportation systems and location-based services. His current works include planning for future cities in a ubiquitous access technology space, developing efficient solutions for complex location-based services, developing international standards for ubiquitous geographic information systems and modeling dynamic congestion control systems for metropolitan areas.

Dr. Kim served as a leader in a number of technical committees for Geographic Information Systems and Intelligent Transportation Systems of the International Organization for Standardization, as well as serving as president of the Western Regional Science Association and the Fulbright Academy of Science and Technology. He is currently an advisor to Arriyadh Development Authority for planning of Riyadh, Saudi Arabia, serves as Editor-in-Chief, Journal of Transportation Technologies and on the editorial boards of 11 international journals, and on the review board of the European Research Council. He earned a Ph.D. degree in urban planning from Princeton University.

According to the United Nations, the world will need to build new cities and/or expand existing cities to accommodate about 1.6 billion additional urban residents by 2030. This rapid trend is the result of many complex socio-economic and political factors, and poses unprecedented challenges to the functioning of cities and the quality of life for urban dwellers. The resources needed for accommodating new urban dwellers will be enormous. Can emerging information, communication and ubiquitous access technologies help us to achieve a sustainable global urban system in a ubiquitous technology space, mitigating the consumption of scarce resources?

To answer the question, I will begin identifying major trends that would affect future urban spaces and assess recent research advances in technologies, particularly in information, communications and sensing technologies, in an attempt to shed light on planning for sustainable future cities.

Further information, contact Dr. Jaewon Lim, Assistant Professor, School of Environmental & Public Affairs, jaewon.lim@unlv.edu or (702) 895-3868.