

Sustainable Civil Engineering

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Smart city design principles and TOD

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The talk aims to provide an overview of elements that are associated with the urban environment in order to achieve “smart city” objectives while maintaining the ‘sense of a place’ together with its practicality and financial feasibility. “Smart cities” are the current planning mantra in many parts of the world and we aim to provide an overview of elements that are associated with the urban environment. Fieldwork and interviews in Japan has led the authors to formulate five elements: accessibility, amenity, axis, affordability and ancestry. Using case studies of cities in Japan we apply principles of adaptability and applicability to critically assess the relevance of some of these elements as they relate to movements of goods and people and urban character in these high-density areas.

Biography

Dr Kam Tara is the Director of Urban Research and Planning (URaP International) and a Director of URaP-TTW Pty. He has worked for private consultants and government bodies both in Australia and overseas. He is a graduate of University of Kentucky with a Master of Engineering (Honours) in transportation from University of Wollongong and a doctorate from Macquarie University, School of Economic and Financial Studies. Dr Tara is the author of over 150 technical studies most of which have been subject to public exhibition or technical review. Dr Tara has also been nominated as an expert advisor to Nanshan Planning Bureau, Shenzhen, China where he has judged major international competition on built environment and urban development projects. Most recently, he has been involved in policy development and capacity building mainly associated with Indonesia and China and contributing in various infrastructure policy and projects development schemes.

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