

# NEW METROPOLITAN PERSPECTIVES 2020

## THEMATIC SESSIONS - TS

### TS-11 INNOVATION ECOSYSTEMS

*Keywords: Urban Green Design; Sustainable Urban Design; Energy Design; Urban Renewal strategies; Climate Change Mitigation.*

The increases in the world's population have been paralleled with the high rates of migration to cities and rapid urbanization, which cause problems for city management and the environment. One of the great challenges in urban development is mitigating the effects of microclimate on the urban area. The goal of sustainability approaches is to adopt a new view of human, environment, and space to develop mechanisms that link all these elements within a balanced organizational structure of urban clustering. sustainable urban renewal is a concept to integrate the global concept of sustainability into the urban renewal process. In addition, urban design has a vital role to play in fostering sustainable cities as urban spatial structure and form have considerable influence on the social, economic and environmental processes in the urban area. Therefore, the successful urban renewal requires a multifaceted strategic approach incorporating both local and regional regulations, developed through multi-sector and multi-agency partnerships. In order to transform such abstract concepts into real practices, an effective approach should be worked out. The studies should address the approach to apply the triple sustainable values i.e. economy, environment, and social equity into urban renewal projects in order to reduce energy consumption and create a comfortable environment for their occupants in local climates.

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