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### Developing Urban Design Research with VINEX

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## ICCAUA-2022

### SESSION B: Sustainability and Urban Design

**Session Chairs:**

*Maneesha Keerthi Kavuri*  
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*Dr. Carlos Mourão Pereira*

Manuscript ID: ICCAUA2022EN0005

## The Impact of Urban Management on Crowd Movement and User Experience through the Pilgrimage of Hajj (Frequent Temporary Mega-Events)

Abdulrahman Kadi<sup>1</sup>, Dr. Gehan Selim<sup>2</sup>

Postgraduate researcher at the University of Leeds, School of Civil Engineering, Leeds, UK<sup>1</sup>  
 Associate Professor in Architecture & Urbanism, Deputy Director at Leeds Social Sciences Institute and  
 Director of Postgraduate Re-search Studies at the University of Leeds, School of Civil Engineering, Leeds, UK<sup>2</sup>  
 E-mail<sup>1</sup>: arch.kadi@gmail.com , E-mail<sup>2</sup>: g.selim@leeds.ac.uk

### Abstract

The research looks at the impact of urban management on crowd movement and user experience during the Islamic pilgrimage of Hajj. This study investigates and develops an urban management framework for crowd movement and user experience at frequent temporary mega-events. The thesis uses a mixed-methods approach to address a complex urban context during the annual pilgrimage in Makkah, Saudi Arabia. Hajj is a unique event that hosts millions of pilgrims; nevertheless, it has many constraints and rituals. The current management system of Hajj suffers from a significant overlap of stakeholders' roles and responsibilities and the absence of user-centricity during the planning and operation of the crowd movement. Thus, Hajj needs a new governance system to establish a framework that addresses the users' needs and expectations. This investigation aims to identify the main touchpoints of the crowd movement toward Al-Masjid Al-Haram from the Jamarat Bridge in Mina to address the following aspects: event management, crowd movement, and user experience.

**Keywords:** Urban Management; Crowd Accessibility; User Experience; Governance; Hajj; Pilgrimage.

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## Achieving Sustainable City through Formal Urban Development: A Critical Evaluation of Measures Adopted for Enugu City, Nigeria

\*M.Sc. Chioma Agatha John-Nsa

University of Nigeria, Nsukka, Faculty of Environmental Studies, Enugu, Nigeria  
 E-mail: chioma.onwuneme@unn.edu.ng

### Abstract

Most cities of developing countries like Enugu continue to grow organically and through incremental planning and development. The effect of this is far reaching in relation to achieving sustainable city. The study utilizes secondary data to identify the various formal approaches towards the development of Enugu city in the past twenty years especially by Enugu State Housing Corporation and the Ministry of Lands and Urban Development. In addition, it critically evaluates the role of these government organisations in making formal city development programmes and policies. The study argues on the need for more holistic approach that accommodates the vulnerable group in Enugu city development. Adopting the 'upgrade-social-inclusive' framework for urban planning and management in Enugu city, this study reveals the practical measures for policy makers and managers of Enugu city development in the face of growing urbanization and unbalanced sustainable growth and development.

**Keywords:** Sustainable Cities; Urban Management; Urban growth; Planning; Enugu.

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## Developing Urban Design Research with VINEX

\* Dr. Alessandro Spennato<sup>1</sup> and Dr. Simone Zurli<sup>2</sup>

University of Florence, Department of Architecture, Florence, Italy<sup>1,2</sup>  
 E-mail<sup>1</sup>: alessandro.spennato@unifi.it , E-mail<sup>2</sup>: simonezurli@gmail.com

### Abstract

During the mid-1990s and the first two decades of the 2000s, the Netherlands underwent a super zoning programme called VINEX to redevelop peripheral areas. The initial objective is to change to an urban landscape design project for high-density housing, favouring places that tend to be elitist. This research looks first at the evolution of VINEX on urban landscape design and then at how the recent NR development programme has sought to correct housing speculation. Finally, by comparing the objectives of VINEX and the NR programme, this research aims to highlight how land reclamation can also be achieved through new policies of green landscape and social inclusion and not only through land consumption, a peculiar characteristic of Dutch planning.

**Keywords:** Urban Design; Urban Resilience; Architectural Landscape; Architectural Design; Gentrification.