

Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XL-2/W4, 21-23, 2015
<https://doi.org/10.5194/isprsarchives-XL-2-W4-21-2015>
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[Volume XL-2/W4](#)

19 Oct 2015

UTILIZING MOBILE SENSING TO INVESTIGATE THE EFFECTS OF URBAN SPACE ON USERS BEHAVIOR

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Keywords: Space syntax, Mobile sensing, GPS, Human behaviour

Abstract. Space syntax theory was used by many researcher to determine the correlation between people behaviour and urban configuration. However, The data collected for these studies using traditional data collection methods such as questionnaire and interviews, this is associated with inaccurate and biased in data. Wireless devices and smart phones and their sensing capabilities now can be involved in solving several issue. Many mobile applications have been developed with which people are able to keep track of their daily life details. In this research mobile sensing is used to track the location and activities of users in university campuses, the collected data is correlated to space properties to interfere the open space effects on student activities in a university campus. The paper utilize Mobile GPS and accelerometer sensors to sense people behaviour in urban configuration.

[Conference paper](#) (PDF, 665 KB)

Citation: Hijazi, I. H., El Meouche, R., Khan, A., and Aboud, N.: UTILIZING MOBILE SENSING TO INVESTIGATE THE EFFECTS OF URBAN SPACE ON USERS BEHAVIOR, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XL-2/W4, 21-23, <https://doi.org/10.5194/isprsarchives-XL-2-W4-21-2015>, 2015.

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