

### Document details

< Back to results | 1 of 2 Next >

CSV export Download Print E-mail Save to PDF Save to list More...

Full text View at Publisher

IOP Conference Series: Earth and Environmental Science  
Volume 249, Issue 1, 1 August 2018, Article number 012003  
9th IGRSM International Conference and Exhibition on Geospatial and Remote Sensing: Geospatial Enablement, IGRSM 2018, Beijing Times Square Hotel/Kuala Lumpur, Malaysia, 24 April 2018 through 25 April 2018, Code 138622

**Remote sensing UAV /drones and its applications for urban areas: A review** (Conference Paper) (Open Access)

Mohd Noor, N. B., Abdullah, A., Hashim, M.

<sup>1</sup>Urban and Regional Planning Department, Kulliyah Architecture and Environment Design, International Islamic University, Kuala Lumpur, 50278, Malaysia  
<sup>2</sup>Institutes of Geospatial Science and Technology (INSTeG), Universiti Teknologi, Skudai, Johor, 81310, Malaysia

#### Abstract

The rapid development and growth of **drones as a remote sensing** platforms as well as advances in the miniaturization of instruments and data systems, have resulted in an increasing uptake of this technology in the **urban areas** and **remote sensing** social community. This paper attempt to **review a development of UAV /Drone remote sensing applications in urban areas** and it can resolve issues respectively. The classification, design methods and challenges has been discussed appropriately and at the end we suit to **urban applications**. We found that the evolution of **UAV /drone based remote sensing** is efficient to solve an **urban** issues nowadays simultaneously ensure the sustainability and resiliency of **urban areas**. © Published under licence by IOP Publishing Ltd.

View references (30)

#### Indexed keywords

Engineering controlled terms:

Unmanned aerial vehicles, UAV, Urban growth

Engineering uncontrolled terms:

Data system, Design method, IT applications, Remote sensing applications, Remote sensing platform, Social community, Urban applications, Urban areas

Engineering main heading:

Remote sensing

ISSN: 1755-1307

Source Type: Conference Proceeding  
Original language: English

DOI: 10.1088/1755-1316/101/1/012003

Document Type: Conference Paper  
Volume Editors: Suparta W.  
Sponsors:  
Publisher: Institute of Physics Publishing

#### References (30)

All CSV export Download Print E-mail Save to PDF Create bibliography

- 1 Agiera, F., Canajati, F., Perez, M.  
Measuring surfflower nitrogen status from an unmanned aerial vehicle-based system and an on the ground device  
(2011) *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 18 (2C22), pp. 33-37. Cited 15 times.  
<http://www.isprs.org/proceedings/35XXX/014/01815/>
- 2 Bendig, J., Bothe, A., Bareth, G.  
Introducing a low-cost Mini-UAV for thermal- and multispectral-imaging  
(2012) *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, Part 81, 39, pp. 345-349. Cited 29 times.  
<http://www.isprs.org/proceedings/35XXX/014/01815/>
- 3 Coibers, D.W., Kingston, D.B., Beard, R.W., McIain, T.W.  
Cooperative forest fire surveillance using a team of small unmanned air vehicles  
(2006) *International Journal of Systems Science*, 37 (8), pp. 351-360. Cited 237 times.  
doi: 10.1080/00207179060030480  
View at Publisher

#### Metrics

0 Citations in Scopus  
0 Field-Weighted Citation Impact

#### PlusX Metrics

Usage, Citations, Mentions,  
Social Media and Citations beyond Scopus

#### Cited by 0 documents

Inform me when this document is cited in Scopus:

Set citation alert Set citation feed

#### Related documents

- Unmanned aerial systems for photogrammetry and remote sensing: A review  
Cabrera, L., Molina, R.  
(2014) *ISPRS Journal of Photogrammetry and Remote Sensing*
- Small unmanned aircraft systems for remote sensing and Earth science research  
Huguenbelle, C.H., Wloomin, B., Kiddle, K.  
(2012) *Eos*
- Camera calibration for band-registration and ortho-rectification of MiniUCA imagery acquired by a fixed-wing UAV  
Jhan, J.-R., Yeh, Y.-C., Rau, J.-Y.  
(2013) *Asian-Australian Conference on Remote Sensing 2013, ACRS 2013*
- View all related documents based on references  
Find more related documents in Scopus based on:  
Authors Keywords