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Designing zoning of remote sensing drones for urban applications: A review (Conference Paper)

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Abstract

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This paper discusses on-going research related to **zoning** regulation for the **remote sensing** drone in the **urban applications**. Timestamped maps are presented here follow a citation-based approach, where significant information is retrieved from the scientific literature. The emergence of **drones** in domestic air raises lots understandable issues on privacy, security and uncontrolled pervasive surveillance that require a careful and alternative solution. The effective solution is to adopt a privacy and property rights approach that create a drone **zoning** and clear drone legislatures. In providing a differential trend to other reviews, this paper is not limited to **drones zoning** and regulations, but also, discuss on trend **remote sensing drones** specification in **designing** a drone zones. **Remote sensing** drone will specific according to their features and performances; size and endurance, maximum airspeed and altitude level and particular references are made to the **drones** range. The implementation of laws **zoning** could lie with the **urban** planners whereby, a **zoning** for drone could become a new tactic used to specify areas, where **drones** could be used, will provide remedies for the harm that arise from **drones**, and act as a different against irresponsible behaviour. Finally, underlines the need for next regulations on guidelines and standards which can be used as a guidance for **urban** decision makers to control the **drones** operating, thus ensuring a quality and sustainability of resilience cities simultaneously encouraging the revolution of technology.

Author keywords

Drones; Remote sensing; Urban planning and regulations; **Zoning**

Indexed keywords

Engineering controlled terms: Decision making; **Drones**; Laws and legislation; Unmanned aerial vehicles (UAV); **Urban** planning; **Zoning**Alternative solutions; Decision makers; Effective solution; Pervasive surveillance; Property right; Scientific literature; **Urban applications**; **Urban** planners**Engineering main heading:** **Remote sensing**

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