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(57) Abstract :
A system (100) and a method (200) for detection of aerial vehicles is provided. The system includes a plurality of radio frequency (RF) sensors (102) configured to detect RF signals in airspace and a microprocessor (104) which utilizes a machine learning algorithm (106) to categorize the RF signals as aerial vehicle signals and non-aerial vehicles signals. The system provided by present invention is cost-effective compared to traditional security measures such as hiring security personnel or installing physical barriers. The system (100) provide real-time monitoring of the aerial vehicle's activity, enabling authorities to respond quickly to any potential threats. The system 100 is easy to install and can be integrated with existing security systems. The system 100 help improve safety by providing high accuracy in detecting unauthorized aerial vehicles that may pose a threat to people or property.

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