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(57) Abstract :

Embodiments of the present disclosure relates to a system (100) and method (300) for threat mitigation against unauthorized drones by applying advanced technologies, including sensors, artificial intelligence (AI), and communication modules, to detect, track, and neutralize potential drone threats effectively. The system (102) comprises a processor (202) coupled to a memory (204). The memory (204) stores processor-executable instructions. The processor (202) is configured to detect a drone within a defined coverage area. Next, the processor (202) is configured to determine an authorization status of the detected drone. Thereafter, the processor (202) is configured to track a movement of the detected drone in real-time based on the authorization status. In the end, the processor (202) is configured to neutralize an unauthorized drone.

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