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# **Resilient Networking and Task Allocation for Drone Swarms**

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# **Message from the Guest Editors**

Dear Colleagues,

Resilient cooperation between drones is essential to enable information sharing and joint missions and to achieve autonomous drone swarms. Traditional networking and task allocation schemes cannot address the unique characteristics of drone swarms, such as high dynamic topology and capability constraints. Therefore, researchers have to study new and specific solutions for possible issues in resilient networking and task allocation for drone swarms, where transmission delay and reliability, the performance and complexity of the cooperation strategy, and even the swarm flight control strategy are the key factors affecting the implementation of the tasks.

This Special Issue aims to collect studies on:

- 1. Cooperative communication and networking-
- 2. Resilient access strategy-
- 3. Resilient Edge computing-
- 4. Cooperative formation for drone swarms;
- 5. Complex task-driven drone swarm cooperation;
- 6. Resilient sensing, communication and computing integrated drone swarms;
- 7. Resilient game and confrontation for drone swarms:
- 8. Resilient resource allocation for drone swarms.

Prof. Dr. Jingjing Wang Dr. Yibo Zhang Guest Editors











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