

Special Issue

Latest Advances in UAV Networks: Sensing, Communication, and Control

Message from the Guest Editors

Today, unmanned aerial vehicles (UAVs) have attracted huge interest within academia and industry as well as among practitioners. UAVs find many civil and military applications related to remote sensing, surveillance, law enforcement, target detection and tracking, and improvement of wireless communications. Further, complex tasks can be delegated to swarms of small cooperating UAVs to gain in flexibility, efficiency, coverage, and reliability. In all these scenarios, UAVs are expected to jointly optimize accuracy in sensing the environment, in processing the gathered data, in planning their trajectories and in reconfiguring themselves (e.g., their formation or communication links) as a response to some sensed events, possibly through cooperation. To preserve the UAVs' energy autonomy and relax the mission time, it is also essential to keep the complexity low, whereas the adoption of low-cost on-board technology enables the realization of large networks of cooperating UAVs. For more information, please visit: mdpi.com/si/57713

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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