

Special Issue

Time-Sensitive Networks for Unmanned Aircraft Systems

Message from the Guest Editors

The focus of this Special Issue will be on dealing with requirements, challenges, constraints, theoretical issues, innovative applications, and experimental results with a time-sensitive network of UASs. Topics of interest include but are not limited to:

- Low latency, highly reliable communication systems for unmanned aircraft systems (UASs);
- Positioning, navigation and timing for time-sensitive UAS networks;
- Time-sensitive guidance and control for UAS;
- Time synchronization for time-sensitive UAS networks;
- Reliable transmission with bounded delay over time-sensitive UAS networks;
- Resource management for time-sensitive UAS networks;
- Time-sensitive UAV network in 5G and beyond cellular communication systems;
- Theoretical analysis and models on time-sensitive UAS networks;
- Security and privacy issues over time-sensitive UAS networks;
- Empirical results of time-sensitive UAS network testbeds.

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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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