

Special Issue

Communication in Networks of Unmanned Aerial Vehicles (UAVs)

Message from the Guest Editors

Unmanned aerial vehicles (UAVs) have entered many fields of application, such as disaster management, search and rescue, localization and mapping, structural inspection, transportation and delivery of goods, pollution and radiation monitoring, precision farming, etc. In recent years, research has intensified on networks of UAVs (or, UAV swarms) and, consequently, on enabling the autonomous and collaborative behavior of UAV swarms, e.g., for autonomous simultaneous localization and mapping, navigation, and reconstruction. An important building block in that endeavor is to provide high performance and robust wireless communication capabilities among UAVs (air-to-air) and to/from ground stations or sensors (air-to-ground). This Special Issue is devoted to reporting novel scientific ideas, approaches, results, and (prototype) solutions/applications on communication in UAV swarms and with ground entities. For more information, please visit mdpi.com/si/31779.

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