



Advanced Communication and Networking Techniques for Remote Sensing

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Message from the Guest Editors

Communication and networking in remote sensing systems directly influence the acquired results and system overhead. Regardless of whether the transmission data captured are figures or device control commands, communication between different devices requires the support of efficient networks and protocols. Advanced communication and networking technologies should consider the geo-distribution of heterogeneous sensing devices, the mobility of potential smart sensors, the application of software-defined networking (SDN), the high bandwidth requirement, the overhead of massive data transmission, the tradeoff between communication and computation, the reliability/scalability of the network, and so on.

- Communication technologies in remote sensing
- Advanced networking technologies in remote sensing
- Network building in extreme environment
- Testbed and simulators for communication and networking
- Performance evaluation and benchmarks for communication and networking
- Security and privacy in communication and networking
- Communication model and protocols
- Communication and networking resource management
- Application of advanced technologies

