



Advanced Communication and Networking Techniques for Remote Sensing

Guest Editors:

Prof. Dr. Honghao Gao

School of Computer Science and Engineering, Shanghai Unvirsity, Shanghai, China

Dr. Xinheng Wang

Unvirsity of West London, London W5 5RF, UK

Dr. Yuyu Yin

Hangzhou Dianzi Unvirsity, Hangzhou, China

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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





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Senior Scientist (ST), U. S.
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Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and
Geographic Information Systems,
Peking University, Beijing, China

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Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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