Special Issue

Advances in SAR-Based Monitoring Systems: System Concepts and Data Processing

Message from the Guest Editors

SAR-based satellite systems are strongly increasing our capacity to monitor a huge amount of events and phenomena. A big effort has been focused on developing monitoring systems for floods and landslides as well as for tracking icebergs and oil spills. This Special Issue focuses on new approaches for the SAR-based monitoring systems. Authors are encouraged to submit contributions on technological and scientific advance concepts in the ambit of image processing and system concept in an operational perspective. As an example, the development of distributed-SAR satellite systems for applications of high-resolution and swath implementation as well as for the improvement of imaging/tracking performance is of interest of the Special Issue. Additionally, original techniques for processing of existing SAR images and interferometric applications are in line with the scope of this Issue. Finally, the integration of SAR data with different sources of information is considered an added value of the future SAR-based monitoring systems.

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Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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