Special Issue

Radar Imaging in Challenging Scenarios from Smart and Flexible Platforms

Message from the Guest Editors

Microwave radar imaging plays a key role in several civilian and defense applications where it is required to remotely sense the area of interest in a timely, safe and effective way. To fulfill these constraints, a technological opportunity is offered by radar systems mounted onboard smart and flexible platforms, such as GBSAR, airplanes, helicopters, and drones, UAV and UGV. For this reason, radar imaging, starting from data collected by such platforms, is gaining rapidly-increasing interest in the remote sensing community. However, a full exploitation of these radar systems requires the development and use of image formation techniques and reconstruction approaches able to properly deal with non-conventional data acquisition configurations. The other main issue is related to the necessity to operate in challenging operative conditions, by detecting, locating, and tracking targets. This entails the necessity to mitigate/overcome the effect of clutter, multipath, thanks to the adoption of signal processing strategies and electromagnetic modeling specifically devoted to “accurately describe&rdquo.

Guest Editors

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Message from the Editor-in-Chief

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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