Special Issue

Doppler Radar: Methods, Challenges, and Applications

Message from the Guest Editors

Doppler radar is one of the most used radar technologies for security and surveillance applications.It has been used in weather, navigation, healthcare and surveillance. The micro-Doppler effect is the additional frequency modulation due to the motion or rotation of a target which generates side bands about the central Doppler frequency. The central Doppler frequency corresponds to speed of the core body part. Micro-motion of a target or its body parts can induce the micro-Doppler effect. The target characteristics can be identified by the micro-Doppler signatures. Recent applications of micro-Doppler effect to radar technology include classification of targets, classification of human activities and in-house healthcare. The aim of this Special Issue is to include studies that cover recent advances in Doppler radar system, methods and its applications. For this Special Issue, we also welcome the application of deep learning and micro-Doppler analysis to the radar system. Pulse-Doppler radar; Coherent pulsed radar; Signal processing for Doppler radar; Weather radar; Meteorological radar; Micro-Doppler effect in radar; Deep learning for Doppler radar

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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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