Special Issue

Nonlinear Junction Detection and Harmonic Radar

Message from the Guest Editor

Nonlinear junction detection (NLJD), a niche specialization within the field of radar, has existed since the 1970s, but this research area has experienced significant growth in the past decade. Recent applications include tracking insects and small amphibians, locating radio-frequency (RF) surveillance equipment, sensing temperature remotely, alerting a driver to the presence of people crossing the path of their vehicle, measuring the extent of corrosion, monitoring human vital signs, and detecting RF electronics at standoff range.With this Special Issue, we intend to compile and disseminate advancements relevant to NLJD and nonlinear radar from across the wide application space described above. Of particular interest are system-design techniques (e.g., linearization, size/weight/power minimization), tag design and target-property studies (e.g., multi-frequency antenna matching, response vs. polarization), and waveform selection (e.g., step frequency, multi-tone). Nevertheless, all contributions relevant to nonlinear radar technology are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2022)

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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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