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Synthetic Aperture Radar (SAR) Simulation and Processing

Guest Editors:

Prof. Dr. Antonio Iodice
Dipartimento di Ingegneria Elettrica e Tecnologie dell'Informazione, Università degli Studi di Napoli Federico II, Via Claudio 21, 80125 Napoli, Italy

Dr. Gerardo Di Martino
Department of Electrical Engineering and Information Technology (DIETI), University of Naples Federico II, 80125 Napoli, Italy

Deadline for manuscript submissions:
closed (31 May 2021)

Message from the Guest Editors

Synthetic Aperture Radar (SAR) is a powerful remote sensing technique able to perform global and almost continuous monitoring of the Earth's surface, thanks to its all-weather and day-and-night acquisition capabilities. It is now a well-established technology, and the main space agencies in the world have launched several SAR missions that currently provide us with an unprecedented amount of data.

Within this framework, for this Special Issue contributions are solicited on the following topics:

- SAR raw signal simulation techniques;

- simulation of bistatic and/or multistatic SAR systems;

- electromagnetic scattering models for SAR signal simulation;

- innovative SAR processing algorithms;

- SAR processing algorithms for innovative acquisition modes and geometries;

- post-processing techniques;

- SAR despeckling;

- ...

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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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