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Electromagnetic Scattering Theory and Its Applications

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Message from the Guest Editors

It is crucial to analyze the propagation and scattering phenomena of electromagnetic (EM) waves at any frequency. Moreover, the current trend in exploring higher and higher frequencies calls for a refined stochastic description of the scattering surfaces roughness.

This Special Issue is aimed at providing insight and addressing recent breakthroughs in the wide field of scattering of EM waves as well as investigating innovative solutions and approaches to scattering problems in different scenarios.

Development of analytical, statistical, empirical scattering models; Measurements of scattered electromagnetic waves and radar cross-section; Algorithms for the evaluation of the EM scattering; Scattering models in remote sensing; Surface and volume scattering; Models, methods and tools for inverse scattering; Metamaterials, metasurfaces and plasmonics; RFID technologies; Radiowave and Terahertz propagation; Scattering in electronic circuits; Guided propagation; Scattering from humans and objects; Scattering in biomedical applications; Electromagnetic compatibility; Numerical methods for EM scattering

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Message from the Editor-in-Chief

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