

Special Issue

Propagation of Electromagnetic Waves in Terrestrial Environment for Applications in Wireless Telecommunications and Radar Systems

Message from the Guest Editors

Up to today, a great number of research studies have been published in the antennas and propagation community relevant to the above problem, probably because of additional practical interest for mobile and wireless telecommunications. These range from a variety of rigorous electromagnetic methods of propagation to simple propagation models, or to rather empirical methods for mobile telecommunications applications based on measurements. Potential topics for paper submission include but are not limited to:

- Rigorous–approximate–asymptotic formulations for EM propagation above terrain;
- Numerical aspects in evaluating Sommerfeld Integrals (“tails”);
- Empirical propagation models for outdoor/indoor environments, based on measurements/experiments;
- Propagation of EM waves through the atmosphere/ionosphere/plasma, including satellite communications applications;
- Possible radar applications of the abovementioned EM propagation methods;
- Review articles in related topics.

Guest Editors

Prof. Dr. Panayiotis Frangos

Prof. Dr. Seil Sautbekov

Dr. Sava Savov

Prof. Dr. Hristos T. Anastassiou

Deadline for manuscript submissions

closed (31 March 2022)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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