

## Special Issue

# Advances in Finite-Difference Time-Domain Methods and Applications

### Message from the Guest Editors

The purpose of this Special Issue is to report on novel advances and findings regarding FDTD methods and pertinent applications in the area of Computational Electromagnetics and other scientific disciplines. The main topics of interest include (but are not limited to):

- discretization schemes for curvilinear and unstructured grids;
- dispersion-relation-preserving and optimized schemes;
- space-time mesh refinement techniques;
- modeling of complex material responses;
- higher-order extensions;
- unconditionally stable and implicit-explicit formulations;
- absorbing and surface-boundary conditions;
- overlapping and non-conforming grids;
- stochastic methods;
- subcell modeling and thin-wire formulations;
- reduced-order models;
- hybridization with other computational methods;
- parallelization strategies;
- advanced applications of the FDTD method (e.g., complex problems where specific capabilities of the FDTD method are utilized); and
- novel applications of the FDTD methods.

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### Guest Editors

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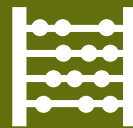
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### Deadline for manuscript submissions

closed (30 November 2021)



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## About the Journal

### Message from the Editor-in-Chief

*Axioms* is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

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