

Special Issue

Advanced Computational Electromagnetics

Message from the Guest Editors

Scientific and technological developments in applied electromagnetics set even more challenging goals either in traditional areas such as high-performance antenna design, radar cross section analysis of electrically large targets, target recognition, and electromagnetic compatibility, to mention just a few, or in the design of innovative circuits or of novel materials and structures. The availability of even better-performing, massively parallel, and low-cost platforms for computational acceleration, such as graphics processing units (GPUs), which can be installed in embedded systems or inside traditional desktop PCs or even in small clusters, has enabled the democratization of high-performance computing (HPC), opening the door to real-time applications or to applications previously feasible only on large mainframes of a few computing centers. Today, HPC by such accelerators has turned to be of common use and so widespread that it is offered as a free-of-charge service of cloud computing. On a larger scale, TOP500 reports even more supercomputers based on hardware accelerators which, from year to year, make impossible applications now feasible.....

Guest Editors

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The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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