Special Issue

Computation of Electromagnetic Fields

Message from the Guest Editors

Computational electromagnetics is a topic of high interest for engineers in search of more accurate numerical tools to predict the performances of industrial electromagnetic devices. It is also of interest for other scientists such physicists, medical doctors, biologist, etc., whose research involves dealing with electromagnetic fields. Much progress has been achieved concerning the development of numerical models for three-dimensional electromagnetic problems. This has led to the development of numerous open-source and commercial codes that can be used on standard computers and on supercomputers. However, there is a growing need for high-performing and more accurate models accounting for material and geometrical complexity of real-life devices. These models also represent a cornerstone for the development of numerical optimization methods. This Special Issue aims at promoting original and high-quality papers on computational electromagnetics for multidisciplinary applications.

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