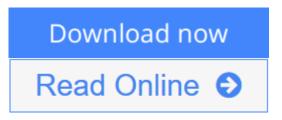# EMI/EMC Computational Modeling Handbook

By bruce archambeault, Omar M. Ramahi, Colin Brench

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The application of computational electromagnetics to practical EMI/EMC engineering is an emerging technology. Because of the increased complexity in EMI/EMC issues resulting from advancements in electronics and telecommunications, it is no longer possible to rely exclusively on traditional techniques and tools to solve the growing list of electronic engineering design problems.

EMI/EMC Computational Modeling Handbook introduces modeling and simulation of electromagnetics to real-world EMI/EMC engineering. It combines the essentials of electromagnetics, computational techniques, and actual EMI/EMC applications. Included are such popular full-wave computational modeling techniques as the Method of Moments, Finite-Difference Time Domain Technique, Finite Element Method, and several others. The authors have included a myriad of applications for computers, telecommunications, consumer electronics, medical electronics, and military uses.

EMI/EMC Computational Modeling Handbook is an invaluable reference work for practicing EMI/EMC engineers, electronic design engineers, and any engineer involved in computational electromagnetics.

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