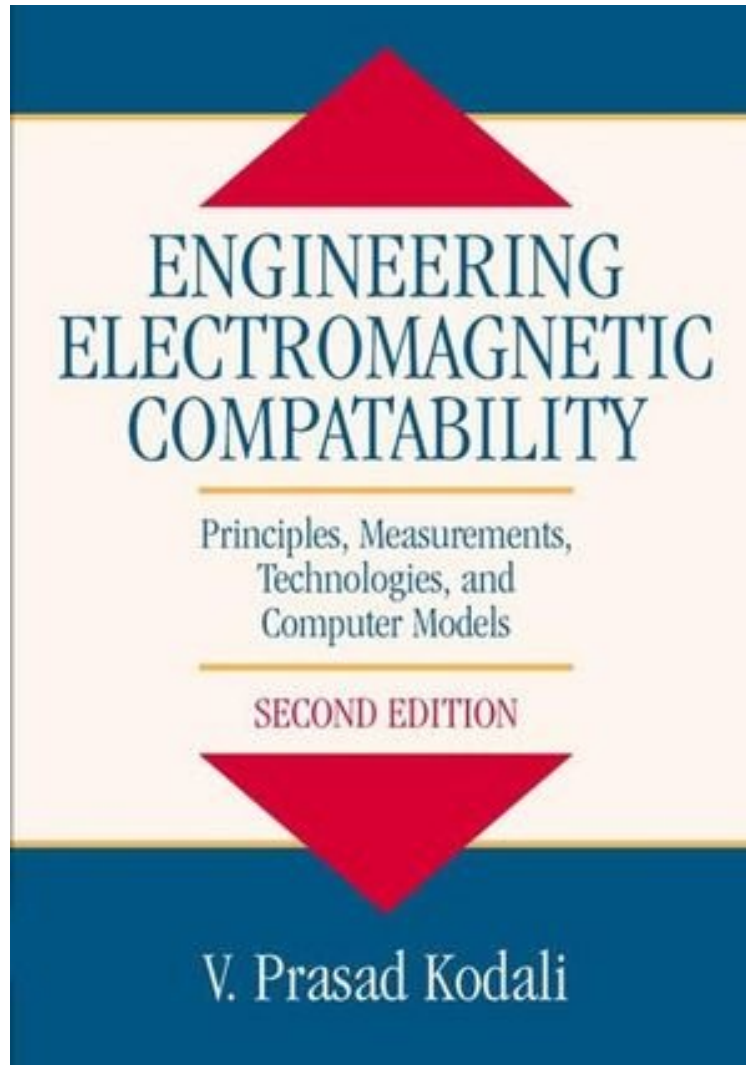


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Engineering Electromagnetic Compatibility: Principles, Measurements, Technologies, and Computer Models

W. Prasad Kodali

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From the Back CoverElectrical Engineering Engineering Electromagnetic Compatibility Principles, Measurements, Technologies, and Computer Models Second Edition This practical, enhanced second edition will teach you to avoid costly post-design electromagnetic compatibility (EMC) fixes. Once again, V. Prasad Kodali provides a comprehensive introduction to EMC and presents current technical information on sources of electromagnetic interference (EMI), EMC/EMI measurements, technologies to control EMI, computer simulation and design, and international EMC standards. Features added to this second edition include: * Two new chapters covering EMC computer modeling and simulation and signal integrity * Expanded assignments at the close of each chapter * Illustrative examples that enhance comprehension * Updated information in Selected Bibliography and EMC Standards chapters * A new appendix that lists websites relevant to EMC/EMI Engineering Electromagnetic Compatibility, Second Edition is presented in a concise, user-friendly format that combines a rigorous solutions-based, mathematical treatment of the underlying theories of EMC with the most recent practical applications. It is ideally suited as a desk reference for practicing engineers and as a textbook for students who need to understand the form and function of EMC and its relevance to a variety of systems.About the AuthorAbout the Author V. Prasad Kodali's studies on EMI and EMC have spanned two decades. During the 1980s, he planned and set up the Center for Electromagnetics as a national-level laboratory in India for studies on electromagnetic compatibility (EMC). By 1989, Dr. Kodali received the Vasvik Research Award for Electronic Sciences and Technology for his contributions to the fields of radar and EMC technologies. From 1989 to 1994, he was the national project director of a United Nations Development Program supported project on EMC and ergonomic designs. Dr. Kodali has published 50 papers in the areas of his research and technical interests, which include circuit theory, computers, microwave semiconductors, radar electronics, and EMC. He is an IEEE Fellow.