1. Record Nr. UNINA9911049178403321

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Titolo	ElectroMagnetic Compatibility : Understanding, Design, and Testing with Practical Solutions / / by Michel Mardiguian
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-032-02688-1
Edizione	[2nd ed. 2025.]
Descrizione fisica	1 online resource (228 pages)
Collana	Engineering Series
Disciplina	621.38224
Soggetti	Telecommunication Power electronics Electric power production Electric power-plants Magnetism Microwaves, RF Engineering and Optical Communications Power Electronics Mechanical Power Engineering Power Stations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter1 WHAT IS EMI/EMC -- Chapter 2 CONDUCTION COUPLING, THE FIRST OF THE COUPLING PATHS -- Chapter 3 RADIATION COUPLING -- Chapter 4 Cable-to-cable Coupling, or Crosstalk -- Chapter 5 SHIELDED CABLES: Their Role in reducing EMI Susceptibilty and Emissions -- Chapter 6 CHAPTER 6 SHIELDING OF BOXES AND ENCLOSURES.
Sommario/riassunto	This textbook describes in accessible, straightforward terms the conducted and radiated mechanisms by which Electromagnetic Interference (EMI) sources can compromise or disable a range of critical devices and services. A partial list of examples in this volume include power mains transients, electrostatic discharge, telecom disturbances and computer lock-up. The author presents and analyzes many documented cases, with quick predictions and practical solutions leading to ElectroMagnetic Compatibility (EMC) proposed through

simple troubleshooting insights. Essential legal/military EMC requirements are also described in brief, along with a set of simple EMC test and measurement hints. Compiled with limited mathematics and an engaging narrative writing style, the book is ideal for professional engineers and non-specialists alike. Explains the fundamental elements of ElectroMagnetic Interference (EMI); Illustrates most severe threats posed by EMI, reinforces concepts with problems/solutions, quizzes and datasets; Describes practical ElectroMagnetic Compatibility solutions and appropriate components.