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Formato	Materiale a stampa
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Nota di contenuto	Cover -- Title -- Contents -- About This Book -- 1 Introduction -- 1.1 Background Ideas -- 1.2 Why Study Engineering Ethics? -- 1.3 Engineering Is Managing the Unknown -- 1.4 Personal vs. Professional Ethics -- 1.5 The Origins of Ethical Thought -- 1.6 Ethics and the Law -- 1.7 Ethics Problems Are Like Design Problems -- 1.8 Case Studies -- Summary -- References -- Problems -- 2 Professionalism and Codes of Ethics -- 2.1 Introduction -- 2.2 Is Engineering a Profession? -- 2.3 Codes of Ethics -- Key Terms -- References -- Problems -- 3 Understanding Ethical Problems -- 3.1 Introduction -- 3.2 A Brief History of Ethical Thought -- 3.3 Ethical Theories -- 3.4 Non-Western Ethical Thinking -- Key Terms -- References -- Problems -- 4 Ethical Problem-Solving Techniques -- 4.1 Introduction -- 4.2 Analysis of Issues in Ethical Problems -- 4.3 Line Drawing -- 4.4 Flow Charting -- 4.5 Conflict Problems -- 4.6 An Application of Problem-Solving Methods: Bribery/Acceptance of Gifts -- Key Terms -- References -- Problems -- 5 Risk, Safety, and Accidents -- 5.1 Introduction -- 5.2 Safety and Risk -- 5.3 Accidents -- Key Terms -- References -- Problems -- 6 The Rights and Responsibilities of Engineers -- 6.1 Introduction -- 6.2 Professional Responsibilities -- 6.3 Professional Rights -- 6.4 Whistle-Blowing -- Key Terms -- References -- Problems -- 7 Ethical Issues in Engineering Practice -- 7.1 Introduction -- 7.2 Environmental Ethics -- 7.3 Computer Ethics -- 7.4 Ethics and Research -- Key Terms -- References -- Problems -- 8 Doing the Right

Thing -- References -- Problems -- Appendix A Codes of Ethics of Professional Engineering Societies -- The Institute of Electrical and Electronics Engineers, Inc. (IEEE) -- National Society of Professional Engineers (NSPE) -- American Society of Mechanical Engineers (ASME) -- American Society of Civil Engineers (ASCE). American Institute of Chemical Engineers (AIChE) -- Japan Society of Civil Engineers -- Appendix B Bibliography -- General Books on Engineering Ethics -- Journals with Articles on Engineering Ethics and Cases -- Websites -- Index.

Sommario/riassunto

For use in undergraduate engineering programs incorporating ethics topics. Engineering Ethics serves as both a textbook and a resource for the study of engineering ethics. It is written to help future engineers be prepared for confronting and resolving ethical dilemmas that they might encounter during their professional careers.
