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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Contents -- Preface -- About the Author -- What Is a Failure? -- Failures Come in All Shapes and Sizes -- Aspects of a Failure Investigation -- Nine Steps of a Failure Investigation -- A Few Pitfalls and More Useful Tools -- General Procedures for Failure Analysis -- Glossary -- Suggested Further Reading -- Index.
Sommario/riassunto	Learning the proper steps for organizing a failure investigation ensures success. Failure investigations cross company functional boundaries and are an integral component of any design or manufacturing business operation. Well-organized and professionally conducted investigations are essential for solving manufacturing problems and assisting in redesigns. This book outlines a proven systematic approach to failure investigation. It explains the relationship between various failure sources (corrosion, for example) and the organization and conduct of the investigation. It provides a learning platform for engineers from all disciplines: materials, design, manufacturing, quality, and management. The examples in this book focus on the definition of and requirements for a professionally performed failure analysis of a physical object or structure. However, many of the concepts have much greater utility than for investigating the failure of physical objects. For example, the book provides guidance in areas such as learning how to define objectives, negotiating the scope of

investigation, examining the physical evidence, and applying general problem-solving techniques.