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Sommario/riassunto

This book fills a void in the market by describing current knowledge in electrical safety as industry needs electrical engineers who have been trained in safety engineering education. Electrical safety is an often-neglected area of electrical power engineering, and electrical safety measures in industry are not always applied in electrical engineering laboratories of educational institutions. Since the industry is in need of electrical engineers who have been properly trained in safety engineering education, Sutherland has presented several up-to-date topics in the field. . Provides a high-level introduction to the educated electrical engineer in any field who needs to know about electrical safety. Presents the subject of electrical safety to a wider audience. Includes an introduction to theory followed by a series of practical applications. Examines the electrical fundamentals of resistance, inductance and capacitance as applied to the human body. With an in-depth evaluation of electrical engineering safety measures, this book is designed to become part of the preparation of every current and future engineer. Principles of Electrical Safety will also be a suitable guide for lab setting in academic institutions.
