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Sommario/riassunto	This book is a comprehensive overview, covering fundamentals, applications, and development of nuclear technology as well as the history, principles, policy, and practice of nuclear safety. It begins with the background and significance of the subject and conducts in-depth discussion into these sub-topics through ten chapters. The dissemination of nuclear knowledge and the assurance of nuclear safety rely on highly qualified personnel in nuclear facilities and well-designed education. This book is useful for a broad audience, including

practitioners in nuclear-related industries such as nuclear construction, agriculture, and medicine, as well as researchers, engineers, and operators familiar with nuclear technology. Additionally, it can serve as a textbook for college students and professionals, a reference for operational and managerial staff at nuclear facilities, and a resource for engineers and technicians in other related fields.