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Nota di contenuto	Chapter 1. Nuclear Law and the Nuclear World Order -- Chapter 2. Nuclear Science and Technology for Development -- Chapter 3. Russian Vision of the Problems and Prospects of the International Legal Framework in the Context of Small Modular Reactors and Transportable Nuclear Power Units -- Chapter 4. Milestones in Nuclear Law: A Journey in Nuclear Regulation -- Chapter 5. Strengthening the Global Nuclear Safety Regime -- Chapter 6. The Challenge of Climate Change – Complete Energy Systems Transformation: No nuclear, no net zero -- Chapter 7. Legal Imputation of Health Effects to Radiation Exposure -- Chapter 8. Nuclear Security -- Chapter 9. Building Nuclear Security regime: Questions to be Asked -- Chapter 10. IAEA Safeguards: Correctness and Completeness of States' Safeguards Declarations --

Chapter 11. Safeguards for the Future -- Chapter 12. Nuclear Liability and Post-Fukushima Developments -- Chapter 13. The Humanitarian Atom: Role of Nuclear Power in Achieving the Sustainable Development Goals -- Chapter 14. “Nuclear Newcomer Countries” – The Path of the United Arab Emirate -- Chapter 15. Building the Nuclear and Radiobiological Safety and Security Authority in the Kingdom of Morocco: Sharing Experience and Lessons Learned.

Sommario/riassunto

This open access book traces the journey of nuclear law: its origins, how it has developed, where it is now, and where it is headed. As a discipline, this highly specialized body of law makes it possible for us to benefit from the life-saving applications of nuclear science and technology, including diagnosing cancer as well as avoiding and mitigating the effects of climate change. This book seeks to give readers a glimpse into the future of nuclear law, science and technology. It intends to provoke thought and discussion about how we can maximize the benefits and minimize the risks inherent in nuclear science and technology. This compilation of essays presents a global view in discipline as well as in geography. The book is aimed at representatives of governments—including regulators, policymakers and lawmakers—as well representatives of international organizations and the legal and insurance sectors. It will be of interest to all those keen to better understand the role of law in enabling the safe, secure, and peaceful use of nuclear technology around the world. The contributions in this book are written by leading experts, including the IAEA’s Director General, and discuss the four branches of nuclear law—safety, security, safeguards and nuclear liability—and the interaction of nuclear law with other fields of national and international law.
