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Nota di contenuto	Intro -- Contents -- PREFACE -- Acknowledgments -- 1 RADIATION -- 2 BIOLOGICAL EFFECTS OF RADIATION -- 3 RADIOLOGICAL PROTECTION -- 4 STATISTICAL METHODS -- 5 DECOMMISSIONING OF NUCLEAR FACILITIES -- 6 REGULATORY ASPECTS IN DECOMMISSIONING -- 7 SAFETY ASPECTS IN DECOMMISSIONING -- 8 FINANCIAL ASPECTS OF DECOMMISSIONING -- 9 PROJECT MANAGEMENT -- 10 PLANNING FOR DECOMMISSIONING -- 11 SITE/FACILITY CHARACTERISATION -- 12 ENVIRONMENTAL IMPACT ASSESSMENT AND BEST PRACTICABLE ENVIRONMENTAL OPTION -- 13 DECONTAMINATION TECHNIQUES -- 14 DISMANTLING TECHNIQUES -- 15 CASE HISTORIES AND LESSONS LEARNT -- 16 RADIOACTIVE WASTE CLASSIFICATION AND INVENTORY -- 17 MANAGEMENT OF RADIOACTIVE WASTE -- 18 TREATMENT AND CONDITIONING OF RADIOACTIVE WASTE -- 19 STORAGE AND TRANSPORTATION OF RADIOACTIVE WASTE -- 20 DISPOSAL OF RADIOACTIVE WASTE -- APPENDIX 1 -- APPENDIX 2 -- APPENDIX 3 -- APPENDIX 4 -- APPENDIX 5 -- APPENDIX 6 -- Index.
Sommario/riassunto	This book provides a detailed understanding of the issues associated with these processes. The depth and breadth of the treatment is such that the book is suitable as a text book for graduate and post-graduate

courses, and will also be useful to those involved in decommissioning projects and radioactive waste management practices, such as project managers, engineers, health physicists and regulators. Although decommissioning is perceived as the dismantling and demolition of existing facilities, the book demonstrates that there is more to it and there are challenging technical issues to face. The book has been divided into three parts. Part I (Radiation Science) is the enabling part covering radiation, biological effects of radiation, radiological protection, and statistical methods. These subject matters are used and referred to throughout the rest of the book. Part II incorporates the whole aspect of decommissioning, project management, safety aspects, environmental impact assessment, decontamination and dismantling techniques etc. The last part includes radioactive waste management covering regulatory aspects, treatment and conditioning, storage and transportation, waste disposal etc.
