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Nota di contenuto	Preface xxi -- 1 Military Communications 1 -- 1.1 Introduction to Military Communications 1 -- 1.2 Communication Techniques 5 -- 1.3 Communication Transmitters and Receivers 35 -- 1.4 Antennas, Transmission Media and Propagation Modes 52 -- 1.5 Optical Communication 77 -- 1.6 Software-Defined Radio 82 -- 1.7 Network-Centric Warfare 87 -- 1.8 C4ISR 89 -- 1.9 Representative Military Communications Equipment 91 -- Illustrated Glossary 101 -- Bibliography 111 -- 2 Radar Fundamentals 113 -- 2.1 Introduction to Radar 113 -- 2.2 Basic Radar Functions 118 -- 2.3 Accuracy and Resolution 123 -- 2.4 Radar Cross-Section 129 -- 2.5 Radar Clutter 137 -- 2.6 Radar Range Equation 144 -- 2.7 Radar Waveforms 148 -- 2.8 Radar Transmitters 155 -- 2.9 Radar Receivers 159 -- 2.10 Radar Displays 167 -- 2.11 Radar Antennas 168 -- 2.12 Types of Radar 169 -- Illustrated Glossary 199 -- Bibliography 201 -- 3 Military Radars 203 -- 3.1 Military Applications of Radar Systems 203 -- 3.2 Ground (or Area) Surveillance Radar Systems 212 -- 3.3 Air Surveillance Radar Systems 224 -- 3.4 Ground Penetrating Radar Systems 240 -- 3.5 Weapon Locating Radar Systems 253 -- 3.6 Fire-Control Radar Systems 265 -- 3.7 Space-Based Radar Systems 272 -- 3.8 Police Radar 278 --

Weapons 1013 -- 12.1 Directed-Energy Weapons (DEWs) 1013 -- 12.2 Types of DEWs 1015 -- 12.3 Particle Beam Weapons 1016 -- 12.4 High-Power Microwave (HPM) Weapons 1025 -- 12.5 Directed-Energy Laser Systems 1051 -- 12.6 Less-Lethal Laser Dazzlers 1052 -- 12.7 High-Power Lasers for Ordnance Disposal 1061 -- 12.8 High-Power Directed-Energy Laser Weapons 1065 -- 12.9 High-Power Laser Sources 1071 -- 12.10 Beam-Control Technologies 1086 -- 12.11 Laser Propagation Effects 1087 -- 12.12 Lethality 1091 -- 12.13 Representative Directed-Energy Laser Weapon Systems 1092 -- 12.14 Laser-Induced Plasma Channel (LIPC) Weapons 1098 -- Illustrated Glossary 1098 -- Bibliography 1105 -- Index 1107.

Sommario/riassunto

Handbook of Defence Electronics and Optronics Anil K. Maini, Former Director, Laser Science and Technology Centre, India First complete reference on defence electronics and optronics Fundamentals, Technologies and Systems This book provides a complete account of defence electronics and optronics. The content is broadly divided into three categories: topics specific to defence electronics; topics relevant to defence optronics; and topics that have both electronics and optronics counterparts. The book covers each of the topics in their entirety from fundamentals to advanced concepts, military systems in use and related technologies, thereby leading the reader logically from the operational basics of military systems to involved technologies and battlefield deployment and applications. Key features: • Covers fundamentals, operational aspects, involved technologies and application potential of a large cross-section of military systems. . Discusses emerging technology trends and development and deployment status of next generation military systems wherever applicable in each category of military systems. • Amply illustrated with approximately 1000 diagrams and photographs and around 30 tables. • Includes salient features, technologies and deployment aspects of hundreds of military systems, including: military radios; ground and surveillance radars; laser range finder and target designators; night visions devices; EW and EO jammers; laser guided munitions; and military communications equipment and satellites. Handbook of Defence Electronics and Optronics is an essential guide for graduate students, R&D scientists, engineers engaged in manufacturing defence equipment and professionals handling the operation and maintenance of these systems in the Armed Forces.