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Autore	Kimura Jun
Titolo	Electrodiagnosis in diseases of nerve and muscle : principles and practice / / Jun Kimura
Pubbl/distr/stampa	New York : , : Oxford University Press, , [2013] ©2013
ISBN	0-19-935316-6 0-19-996929-9
Edizione	[Fourth edition.]
Descrizione fisica	1 online resource (1177 p.)
Disciplina	616.7/407547
Soggetti	Neuromuscular diseases - Diagnosis Electromyography Electrodiagnosis Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	part I. Basics of electrodiagnosis -- part II. Nerve conduction studies -- part III. Late response, reflex and other methods -- part Ivolume Electromyography -- part volume Neuromuscular transmission and muscle excitability -- part VI. Somatosensory and motor evoked potentials and monitoring procedures -- part VII. Disorders of spinal cord and peripheral nervous system -- part VIII. Disorders of neuromuscular junction, muscle disease, and abnormal muscle activity -- part IX. Interpretation of study results -- part X. Appendices.
Sommario/riassunto	Here is the Fourth Edition of the classic text Electrodiagnosis in Diseases of Nerve and Muscle: Principles and Practice. With each subsequent edition, Dr. Kimura has built upon his extensive experience teaching electromyography (EMG) around the world and has transferred his knowledge to the book. It is intended for clinicians who perform electrodiagnostic procedures as an extension of their clinical examination, and will be of value to neurologists and physiatrists who are interested in neuromuscular disorders and noninvasive electrodiagnostic methods, particularly those practicing electromyo

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Titolo	Advanced power sources for space missions / / Committee on Advanced Space Based High Power Technologies, Energy Engineering Board, Commission on Engineering and Technical Systems, National Research Council
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ISBN	9786610214396 9781280214394 1280214392 9780309594868 0309594863 9780585085272 0585085277
Edizione	[1st ed.]
Descrizione fisica	1 online resource (154 p.)
Altri autori (Persone)	GavinJoseph G
Disciplina	629.47/44
Soggetti	High technology Space vehicles - Nuclear power plants Space vehicles - Auxiliary power supply Space vehicles - Propulsion systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index. Committee chairman: Joseph G. Gavin.
Nota di bibliografia	Bibliography: p.101-103.
Nota di contenuto	Advanced Power Sources for Space Missions -- Copyright -- Preface -- Contents -- Executive Summary -- 1 Introduction -- 2 Space Power Requirements and Selection Criteria -- OVERVIEW OF SPACE-BASED POWER REQUIREMENTS -- SDI Power Requirements for Housekeeping, Alert, and Burst Modes -- Requirements of Military Missions Other than SDI -- Requirements of Civil Missions -- Commonality of Requirements Among Civil and Military Missions -- APPROACHES TOWARD SELECTING SPACE POWER TECHNOLOGIES TO MEET SDI REQUIREMENTS -- Critical Issue Areas -- System Considerations -- Qualification of Power-Conditioning Subsystems and Components -- Influence of SDI

Survivability and Vulnerability Criteria -- Findings, Conclusions, and Recommendation -- 3 Space Power System Options and Selection Constraints -- SUMMARY OF AVAILABLE SPACE POWER SYSTEM OPTIONS -- Nonnuclear Power for Orbital Use -- Photovoltaic Space Power Systems -- Solar-Dynamic Power -- Chemical Space Power Systems -- Magnetohydrodynamic Space Power Systems -- Nuclear Power for Use in Space -- Nuclear Safety, Environmental, and Regulatory Considerations -- Radioisotope Thermoelectric Generators -- Dynamic Isotope Power Sources -- SP-100 Space Nuclear Reactor System -- Smaller Nuclear Space Reactor Systems -- Multimegawatt Nuclear Space Reactor System Designs -- Other Advanced Nuclear Systems -- Finding, Conclusion, and Recommendation -- Ground-Based Power Beamed to Orbit -- Finding and Recommendation -- Co-Orbiting Power Sources -- ENVIRONMENTAL CONSTRAINTS INFLUENCING THE SELECTION OF SPACE POWER SYSTEMS -- The Natural Space Environment -- Orbital Environmental Impacts -- Conclusion and Recommendation -- 4 Needed Technological Advances in Space Power Subsystems to Meet SDI Requirements -- IMPLICATIONS OF SDI SPACE POWER ARCHITECTURE SYSTEM STUDIES FOR ADVANCES NEEDED IN POWER SUBSYSTEMS.
ADVANCES NEEDED IN HIGH-TEMPERATURE STRUCTURAL MATERIALS TECHNOLOGY -- ADVANCES NEEDED IN POWER-CONDITIONING AND PULSE-GENERATING TECHNOLOGIES -- Superconducting Materials -- Component Technology -- FINDINGS, CONCLUSION, AND RECOMMENDATION -- 5 Approaches Toward Achieving Advances in Critical Power Technologies -- ADVANCING THERMAL-MANAGEMENT TECHNOLOGIES -- Heat-Rejection Considerations -- Survivability Considerations -- ADVANCING POWER-CONDITIONING COMPONENTS AND TECHNOLOGIES -- Advancing the Design of Conductors -- Normal Conductors -- Superconductors -- Superconducting Magnetic Energy Storage -- ADVANCEMENT POTENTIAL OF TECHNOLOGY FOR DYNAMIC POWER-CONVERSION CYCLES -- Advancement Potential for Alternator Technology -- Advancing the State of the Art in Power System Components -- MATERIALS ADVANCES REQUIRED FOR THE EVOLVING SPACE POWER TECHNOLOGIES -- Magnetic Materials -- Insulators -- High-Temperature Structural Materials -- CONCLUSION AND RECOMMENDATION -- 6 Commentaries on the SDI Power Program -- COMMENTARY ON SDI SPACECRAFT SYSTEM NEEDS AND THEIR IMPACTS ON THE SPACE POWER SYSTEM -- COMMENTARY ON SDI PROGRAM ISSUES -- REVIEW OF THE SDI SPACE POWER PROGRAM -- COMMENTARY ON THE SDI SPACE POWER INVESTMENT STRATEGY -- FINDING, CONCLUSION, AND RECOMMENDATIONS -- References -- Appendix A Glossary of Abbreviations -- Appendix B Biographical Sketches -- COMMITTEE MEMBERS -- ENERGY ENGINEERING BOARD LIAISON -- TECHNICAL ADVISOR -- STUDY DIRECTOR -- Appendix C Study Chronology (Meetings, Briefings, and Site Visits) -- MEETING, APRIL 21-22, 1987, WASHINGTON, D.C., NATIONAL ACADEMY OF SCIENCES -- MEETING, JUNE 25-26, 1987, NASA LEWIS RESEARCH CENTER, CLEVELAND, OHIO -- MEETING, JULY 20-21, 1987, ALBUQUERQUE, NEW MEXICO -- MEETING, AUGUST 25-26, 1987, SEATTLE, WASHINGTON -- MEETING, OCTOBER 19-20, 1987, NATIONAL ACADEMY OF SCIENCES, WASHINGTON, D.C. MEETING, NOVEMBER 17-18, 1987, NATIONAL ACADEMY OF SCIENCES WASHINGTON, D.C. -- MEETING, JANUARY 21-22, 1988, NATIONAL ACADEMY OF SCIENCES, WASHINGTON, D.C. -- Appendix D Possible Impacts of Effluents from SDI Systems -- SPACE SHUTTLE EXPERIENCE RELEVANT TO POSSIBLE IMPACTS OF EFFLUENTS PROJECTED FOR SDI SYSTEMS -- ESTIMATION OF THE IMPACT OF EFFLUENT ON

	PROPAGATION OF A NEUTRAL-PARTICLE BEAM -- Appendix E Compilation of Study Findings, Conclusions, and Recommendations -- FINDINGS -- CONCLUSIONS -- RECOMMENDATIONS -- Index.
Sommario/riassunto	"Star Wars"--as the Strategic Defense Initiative (SDI) is dubbed--will require reliable sources of immense amounts of energy to power such advanced weapons as lasers and particle beams. Are such power sources available? This study says no, not yet--and points the way toward the kind of energy research and development that is needed to power SDI. Advanced Power Sources for Space Missions presents a comprehensive and objective view of SDI's unprecedented power requirements and the opportunities we have to meet them in a cost-effective manner.