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SATELLITE COMMUNICATION

I. K. International Pvt Ltd Satellite Communication is a special technology in the field of Electronic Communication Systems. A Graduate engineering students with Electronics and Communication Engineering will find this book useful to understand the concepts of satellite communication. This book deals with the technology and gives an adequate treatment of the subject. Analysis and design of satellite communication equipment is also treated to the extent required for the engineering graduates. It is very useful reference for the candidates preparing for higher studies and competitive examinations. Mathematical analysis is presented wherever required and concepts are well illustrated. It also deals with latest technological developments in the related fields

SATELLITE COMMUNICATIONS SYSTEMS ENGINEERING

ATMOSPHERIC EFFECTS, SATELLITE LINK DESIGN AND SYSTEM PERFORMANCE

John Wiley & Sons The first edition of **Satellite Communications Systems Engineering** (Wiley 2008) was written for those concerned with the design and performance of satellite communications systems employed in fixed point to point, broadcasting, mobile, radio navigation, data relay, computer communications, and related satellite based applications. This welcome **Second Edition** continues the basic premise and enhances the publication with the latest updated information and new technologies developed since the publication of the first edition. The book is based on graduate level satellite communications course material and has served as the primary text for electrical engineering Masters and Doctoral level courses in satellite communications and related areas. Introductory to advanced engineering level students in electrical, communications and wireless network courses, and electrical engineers, communications engineers, systems engineers, and wireless network engineers looking for a refresher will find this essential text invaluable.

GLOBAL MOBILE SATELLITE SYSTEMS

A SYSTEMS OVERVIEW

Springer Science & Business Media **Global Mobile Satellite Systems - A Systems Overview** makes mobile satellite communications understandable for communication engineers, candidates for an engineering degree, technicians, managers, and other decision makers such as financiers and regulators. It provides a systems oriented top-level view of mobile satellite communications. In particular, it focuses on **Global Mobile Satellite Systems (GMSS)** including active programs such as **Globalstar, IRIDIUM, ORBCOMM, ACeS, and Thuraya**, or so-called the second generation mobile satellite systems class. The authors start with a brief description of three generations of satellite systems in use or planned in the telecommunications industry. Selected systems architectural trades are identified and explained to illustrate how various GMSS systems are formulated, developed and evaluated. It includes an examination of market demand trends, business trades, regulatory issues as well as technical considerations. Major issues are examined in trade study style to provide easy access to key information. Key systems drivers such as orbit trades between **LEO's, MEO's, and GEO's**, frequency, protocols, customer bases, and regulatory and engineering issues are included. This book should appeal to individuals interested in the basic elements of **Global Mobile Satellite Systems**.

SATELLITE COMMUNICATION SYSTEMS ENGINEERING

Discusses orbits, earth-satellite geometry, launch vehicles, radio-frequency link, transponders, earth stations, and interference

SATELLITE COMMUNICATIONS - 1964

HEARINGS ... 88-2

SATELLITE COMMUNICATIONS, 1964

HEARINGS BEFORE A SUBCOMMITTEE OF THE COMMITTEE ON GOVERNMENT OPERATIONS, HOUSE OF REPRESENTATIVES, EIGHTY-EIGHTH CONGRESS, SECOND SESSION

Pt. 1 discusses feasibility of joint military-civilian use of COMSAT global satellite system.

HEARINGS

SATELLITE COMMUNICATIONS

Springer Science & Business Media The field of satellite communications represents the world's largest space industry. Those who are interested in space need to understand the fundamentals of satellite communications, its technology, operation, business, economic, and regulatory aspects. This book explains all this along with key insights into the field's future growth trends and current strategic challenges. Fundamentals of Satellite Communications is a concise book that gives all of the key facts and figures as well as a strategic view of where this dynamic industry is going. Author Joseph N. Pelton, PhD, former Dean of the International Space University and former Director of Strategic Policy at Intelstat, presents a readable book about the entire essence of the satellite communication field.

SOMETHING NEW UNDER THE SUN

SATELLITES AND THE BEGINNING OF THE SPACE AGE

Springer Science & Business Media In this, the first history of artificial satellites and their uses, Helen Gavaghan shows how the idea of putting an object in orbit around the earth changed from science fiction to indispensable technology in the twinkling of an eye. Focusing on three major areas of development - navigational satellites, communications, and weather observation and forecasting - Gavaghan tells the remarkable inside story of how obscure men and women, often laboring under strict secrecy, made satellite technology possible. "...a gripping read." -NEW SCIENTIST

SATELLITE COMMUNICATION

PHI Learning Pvt. Ltd. Designed as a text for the undergraduate students of Electronics and Communication Engineering/Electronics and Telecommunication Engineering as well as for postgraduate students of Communication Systems/Electronics and Communication Engineering, the book presents all the topics related to satellite communication in an organised way, starting from the basic concepts to the latest advancements in the field. The book commences with an introductory chapter that familiarises the readers with the evolution of satellite communication. The following chapters expatiate on orbital mechanics, perturbation factors of the orbit and different orbit configurations. Next, the launching mechanism and satellite sub-systems, which together configure a complete satellite system, are focused. The book further explicates the link calculation to facilitate the design aspect. In addition, satellite access mechanism, and Internet linking via satellite are also outlined in the text. Finally, the concluding chapters of the book elaborate navigation satellite, direct broadcasting satellite television, VSAT and special purpose satellites. With all the contents enriched by the vast experience of the author, the book provides a comprehensive treatment of the subject, and enables the students to rely upon this exclusive book only.

KEY FEATURES The presentation of every topic is kept simple and systematic to help students understand the complicated concepts easily. Annexures covering presentations of some additional relevant information are appended to most of the chapters. The book is rich in pedagogical features to the full, which include ample figures and tables, summary and review questions at the end of each chapter. Solved numerical problems are provided in between the text. Bibliography is given at the end of the book.

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DIANE Publishing

TELECOMMUNICATIONS

ASTRONAUTICS & AERONAUTICS

MEMORIAL TRIBUTES

National Academies Press This is the 9th Volume in the series Memorial Tributes compiled by the National Academy of Engineering as a personal remembrance of the lives and outstanding achievements of its members and foreign associates. These volumes are intended to stand as an enduring record of the many contributions of engineers and engineering to the benefit of humankind. In most cases, the authors of the tributes are contemporaries or colleagues who had personal knowledge of the interests and the engineering accomplishments of the deceased. Through its

members and foreign associates, the Academy carries out the responsibilities for which it was established in 1964. Under the charter of the National Academy of Sciences, the National Academy of Engineering was formed as a parallel organization of outstanding engineers. Members are elected on the basis of significant contributions to engineering theory and practice and to the literature of engineering or on the basis of demonstrated unusual accomplishments in the pioneering of new and developing fields of technology. The National Academies share a responsibility to advise the federal government on matters of science and technology. The expertise and credibility that the National Academy of Engineering brings to that task stem directly from the abilities, interests, and achievements of our members and foreign associates, our colleagues and friends, whose special gifts we remember in this book.

SIGNALS

NASA AUTHORIZATION FOR FISCAL YEAR 1981

HEARINGS BEFORE THE COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION, UNITED STATES SENATE, NINETY-SIXTH CONGRESS, SECOND SESSION, ON [S.2238... AND] S. 2240

PERSPECTIVES IN COMMUNICATIONS

World Scientific Publishing Company Incorporated

NASA AUTHORIZATION FOR FISCAL YEAR 1981

HEARINGS BEFORE THE COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION, UNITED STATES SENATE, NINETY-SIXTH CONGRESS, SECOND SESSION, ON [S.2238 ... AND] S. 2240 ...

AEROSPACE AMERICA

FEDERAL REGISTER

AEROSPACE COMPUTER SECURITY CONFERENCE

PROTECTING INTELLECTUAL PROPERTY IN SPACE : MCLEAN, VIRGINIA, MARCH 20, 1985

IEEE Computer Society

INTRODUCING SATELLITE COMMUNICATIONS

SPACE COMMERCE

Space Commerce relates the story of private enterprise's unsteady rise to prominence as a major influence on world space policy and research. In this book John McLucas covers the broad sweep of space commerce, both the

vision and the reality.

SATELLITE BROADCASTING: IMPLICATIONS FOR FOREIGN POLICY

HEARINGS, NINETY-FIRST CONGRESS, FIRST SESSION

Examines foreign policy implications of international use of radio and TV broadcasting from satellites.

SATELLITE BROADCASTING: IMPLICATIONS FOR FOREIGN POLICY

HEARINGS BEFORE THE UNITED STATES HOUSE COMMITTEE ON FOREIGN AFFAIRS, NINETY-FIRST CONGRESS, FIRST SESSION, ON MAY 13-15, 22, 1969

Examines foreign policy implications of international use of radio and TV broadcasting from satellites.

SATELLITE BROADCASTING: IMPLICATIONS FOR FOREIGN POLICY, HEARINGS ... 91-1, MAY 13-15, 22, 1969

BIBLIOGRAPHIC GUIDE TO TECHNOLOGY

HEARINGS, REPORTS AND PRINTS OF THE HOUSE COMMITTEE ON FOREIGN AFFAIRS

HEARINGS

CONFERENCE PROCEEDINGS

DIGITAL SIGNAL PROCESSING APPLICATIONS

PROCEEDINGS

THE COMMUNICATIONS HANDBOOK

CRC Press For more than six years, The Communications Handbook stood as the definitive, one-stop reference for the entire field. With new chapters and extensive revisions that reflect recent technological advances, the second edition is now poised to take its place on the desks of engineers, researchers, and students around the world. From fundamental theory to state-of-the-art applications, The Communications Handbook covers more areas of specialty with greater depth than any other handbook available. Telephony Communication networks Optical communications Satellite communications Wireless communications Source compression Data recording Expertly written, skillfully presented, and masterfully compiled, The Communications Handbook provides a perfect balance of essential information, background material, technical details, and international telecommunications standards. Whether you design, implement, buy, or sell communications systems, components, or services, you'll find this to

be the one resource you can turn to for fast, reliable, answers.

TACTICAL SATELLITE ORBITAL SIMULATION AND REQUIREMENTS STUDY

This Note documents the results of a preliminary analysis of space communications requirements that employs scenarios for military operations in three widely separated geographical areas in which U.S. contingency operations could occur. The objectives of this research are to: (1) Assess communications requirements that were not met by military resources for Desert Shield/Desert Storm and other recent operations and might not be met without additional military resources in potential future contingencies, including a hypothetical contingency in the southern hemisphere; and, (2) Determine how military satellites could be used to overcome shortfalls between requirements and existing or planned military communication systems.

DEFENSE IN DEPTH

CORE KNOWLEDGE

PROCEEDINGS

NEW TECHNICAL BOOKS
