

1. Record Nr.	UNINA990006151120403321
Titolo	BIBLIOTHEQUE Latine-Francaise / publiee par C.L.F. Panckoucke
Pubbl/distr/stampa	Paris : C.L.F. Panckoucke, 1839-
Descrizione fisica	v. ; 24 cm
Disciplina	470
Locazione	FGBC
Collocazione	IV Z 390
Lingua di pubblicazione	Non definito
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNISA996394261303316
Autore	Caus Salomon de <d. 1626.>
Titolo	La perspectiue [[electronic resource]] : avec la raison des ombres et miroirs. Par Salomon de Caus ingenieur du serenissime Prince de Galles, dedie a son altesse
Pubbl/distr/stampa	A Londres, : [Printed by Richard Field (London), and J. Mommaert (Brussels)] chez [i.e. for] Ian Norton imprimeur du Roy de la grande Bretaigne, aus langues estrangers, anno Dom. 1612
Descrizione fisica	[5], 49, [16] leaves : ill. (metal cuts)
Soggetti	Perspective Shades and shadows
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	The title page is engraved. Variant: title page has added imprint on sill: "Francfort ches la vefue de Hulsius." (printed 1619 or later--see STC addendum). Field printed the preliminaries, the letterpress of chapter 10 of "Ombres", and all of "Miroirs"; Mommaert printed the rest (STC). Includes index.

A variant of the 1611 edition.

Reproduction of the original in the British Library.

Sommario/riassunto

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3. Record Nr.	UNINA9910830075703321
Autore	Ippolito Louis J.
Titolo	Satellite communications systems engineering : atmospheric effects, satellite link design and system performance / / Louis J. Ippolito, Jr
Pubbl/distr/stampa	Chichester : \$bWiley, , , c2008 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2008]
ISBN	1-281-84090-4 9786611840907 0-470-75444-3 0-470-75445-1
Descrizione fisica	1 online resource (396 p.)
Collana	Wiley series on wireless communications and mobile computing
Disciplina	621.382 621.3825
Soggetti	Artificial satellites in telecommunication Broadband communication systems
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	List of Acronyms -- Preface -- Chapter 1 Introduction to Satellite Communications -- 1.1 Early History of Satellite Communications -- 1.2 Some Basic Communications Satellite System Definitions -- 1.3 Regulatory Process for Satellite Communications -- 1.4 Overview of Book Structure and Topics -- References -- Chapter 2 Satellite Orbits -- 2.1 Kepler's Laws -- 2.2 Orbital Parameters -- 2.3 Orbits in Common Use -- 2.4 Geometry of GSO Links -- References -- Problems -- Chapter 3 Satellite Subsystems -- 3.1 Satellite Bus -- 3.2 Satellite Payload -- References -- Chapter 4 The RF Link -- 4.1 Transmission Fundamentals -- 4.2 System Noise -- 4.3 Link Performance Parameters -- References -- Problems -- Chapter 5 Link System Performance --

5.1 Link Considerations -- 5.2 Uplink -- 5.3 Downlink -- 5.4 Percent of Time Performance Specifications -- References -- Problems -- Chapter 6 Transmission Impairments -- 6.1 Radiowave Frequency and Space Communications -- 6.2 Radiowave Propagation Mechanisms -- 6.3 Propagation Below About 3 GHz -- 6.4 Propagation Above About 3 GHz -- 6.5 Radio Noise -- References -- Problems -- Chapter 7 Propagation Effects Modeling and Prediction -- 7.1 Atmospheric Gases -- 7.2 Clouds and Fog -- 7.3 Rain Attenuation -- 7.4 Depolarization -- 7.5 Tropospheric Scintillation -- References -- Problems -- Chapter 8 Rain Fade Mitigation -- 8.1 Power Restoral Techniques -- 8.2 Signal Modification Restoral Techniques -- 8.3 Summary -- References -- Problems -- Chapter 9 The Composite Link -- 9.1 Frequency Translation (FT) Satellite -- 9.2 On-Board Processing (OBP) Satellite -- 9.3 Comparison of FT and OBP Performance -- 9.4 Intermodulation Noise -- 9.5 Link Design Summary -- References -- Problems -- Chapter 10 Satellite Multiple Access -- 10.1 Frequency Division Multiple Access -- 10.2 Time Division Multiple Access -- 10.3 Code Division Multiple Access -- References -- Problems -- Chapter 11 The Mobile Satellite Channel -- 11.1 Mobile Channel Propagation -- 11.2 Narrowband Channel. 11.3 Wideband Channel -- 11.4 Multi-Satellite Mobile Links -- References -- Appendix A Satellite Signal Processing Elements -- A.1 Analog Systems -- A.2 Digital Baseband Formatting -- A.3 Digital Source Combining -- A.4 Digital Carrier Modulation -- A.5 Summary -- References -- Appendix B Error Functions and Bit Error Rate -- B.1 Error Functions -- B.2 Approximation for BER -- Index.

Sommario/riassunto

Provides an invaluable, detailed and up-to-date coverage of atmospheric effects and their impact on satellite communications systems design and performance. Significant progress has been made in the last decade in the understanding and modelling of propagation effects on radio wave propagation in the bands utilized for satellite communications. This book provides a comprehensive description and analysis of all atmospheric effects of concern for today's satellite systems, and the tools necessary to design the links and to evaluate system performance. This book will serve as an excellent reference to communications engineers, wireless network and system engineers, system designers and graduate students in satellite communications and related areas. Key features: . Provides the state of the art in communications satellite link design and performance from the practicing engineer perspective / concise descriptions, specific procedures and comprehensive solutions . Contains the calculations and tools necessary for evaluating system performance . Provides a complete evaluation of atmospheric effects, modelling and prediction . Focuses on the satellite free-space link as the primary element in the design and performance for satellite communications, and recognizes the importance of free-space considerations such as atmospheric effects, frequency of operation and adaptive mitigation techniques . Contains sample calculations and step-by-step methods for calculating many propagation effects Dr. Louis Ippolito, over a brilliant career has done it all. He's carried out satellite research at NASA, designed satellite systems for the aerospace industry, and taught satellite engineering at The George Washington University. Now, in a comprehensive and highly readable book, he has encapsulated his knowledge in clear and quite intelligent form. His completely up-to-date book covers the latest innovations that range from mobile satellites to millimeter wave satellites and associated rain fade mitigation technologies. His chapters on propagation effects modeling and prediction, RF transmission impairments and link systems

performance are truly outstanding. If you want to understand satellite communications and RF propagation, you need Dr. Ippolito's book. Dr. Joseph N. Pelton, Former Dean, International Space University, founding President of the Society of Satellite Professionals International (SSPI), and author of a number of books on satellite communications including *Wireless and Satellite Telecommunications*.
