

|                         |   |
|-------------------------|---|
| 1. Record Nr.           | UNINA9910830745103321   |
| Autore                  | Cakaj Shkelzen  |
| Titolo                  | Ground station design and analysis for LEO satellites : analytical, experimental and simulation approach / / Shkelzen Cakaj   |
| Pubbl/distr/stampa      | Hoboken, New Jersey : , : John Wiley & Sons, Inc., , [2023]<br>©2023  |
| ISBN                    | 1-119-89928-1<br>1-119-89926-5  |
| Descrizione fisica      | 1 online resource (243 pages)   |
| Disciplina              | 629.46  |
| Soggetti                | Earth stations (Satellite telecommunication) - Design and construction<br>Artificial satellites in telecommunication<br>Antennas (Electronics)  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Nota di bibliografia    | Includes bibliographical references and index.  |
| Nota di contenuto       | Cover -- Title Page -- Copyright Page -- Contents -- Preface -- Acknowledgments -- Chapter 1 LEO Satellite Ground Station Design Concepts -- 1.1 An Overview of LEO Satellites -- 1.2 Satellite System Architecture -- 1.3 The Satellite Ground Station -- 1.4 Ground Station Subsystems -- 1.4.1 Antennas -- 1.4.2 Low Noise Amplifier -- 1.4.3 Converters -- 1.4.4 Safety System -- 1.5 Downlink Budget -- 1.5.1 Error-Performance -- 1.5.2 Received Signal Power -- 1.5.3 Link Budget Analyses -- 1.6 Figure of Merit and System Noise Temperature -- 1.7 Satellite and Ground Station Geometry -- 1.8 LEO MOST Satellite and Ground Stations -- References -- Chapter 2 Rain Attenuation -- 2.1 Rain Attenuation Concepts -- 2.2 Rain Attenuation for LEO Satellite Ground Station -- 2.3 Rain Attenuation Modeling for LEO Satellite Ground Station -- References -- Chapter 3 Downlink Performance -- 3.1 Downlink Performance Definition -- 3.2 Composite Noise Temperature at LEO Satellite Ground Station -- 3.3 Antenna Noise Temperature at LEO Satellite Ground Station -- 3.4 Downlink Performance-Figure of Merit -- 3.5 Downlink Performance: Signal-to-Noise Ratio (S/N) -- 3.6 Downlink and Uplink Antenna Separation -- 3.7 Desensibilization by Uplink Signal at LEO Satellite Ground Station -- |

3.8 Downlink and Uplink Frequency Isolation -- 3.9 Sun Noise Measurement at LEO Satellite Ground Station -- References -- Chapter 4 Horizon Plane and Communication Duration -- 4.1 LEO Satellite Tracking Principles -- 4.2 Ideal Horizon Plane and Communication Duration with LEO Satellites -- 4.3 The Range and Horizon Plane Simulation for Ground Stations of LEO Satellites -- 4.4 Practical Horizon Plane for LEO Ground Stations -- 4.5 Real Communication Duration and Designed Horizon Plane Determination -- 4.6 Ideal and Designed Horizon Plane Relation in Space.

4.7 Savings on Transmit Power through Designed Horizon Plane at LEO Satellite Ground Stations -- 4.8 Elevation Impact on Signal-to-Noise Density Ratio for LEO Satellite Ground Stations -- References -- Chapter 5 LEO Coverage -- 5.1 LEO Coverage Concept -- 5.2 LEO Coverage Geometry -- 5.3 The Coverage of LEO Satellites at Low Elevation -- 5.4 Coverage Belt -- 5.5 LEO Global Coverage -- 5.6 Constellation's Coverage-Starlink Case -- 5.7 Handover-Takeover Process: Geometrical Interpretation and Confirmation -- References -- Chapter 6 LEOs Sun Synchronization -- 6.1 Orbital Sun Synchronization Concept -- 6.2 Orbital Nodal Regression -- 6.3 LEO Sun Synchronization and Inclination Window -- 6.4 Perigee Deviation under Inclination Window for Sun-Synchronized LEOs -- References -- Chapter 7 Launching Process -- 7.1 Introduction to the Launching Process -- 7.2 Injection Velocity and Apogee Simulation from Low Earth Orbits -- 7.3 Hohmann Coplanar Transfer from Low Earth Orbits -- 7.4 The GEO Altitude Attainment and Inclination Alignment -- 7.4.1 Circularization and the Altitude Attainment -- 7.4.2 Inclination Alignment -- References -- Chapter 8 LEO Satellites for Search and Rescue Services -- 8.1 Introduction to LEO Satellites for Search and Rescue Services -- 8.2 SARSAT System -- 8.2.1 SARSAT Space Segment -- 8.2.2 SARSAT Ground Segment -- 8.2.3 Beacons -- 8.3 Doppler Shift -- 8.4 Local User Terminal (LUT) Simulation for LEO Satellites -- 8.5 Missed Passes for SARSAT System -- 8.6 LEOSAR Versus MEOSAR -- References -- Chapter 9 Interference Aspects -- 9.1 General Interference Aspects -- 9.2 Intermodulation Products -- 9.3 Intermodulation by Uplink Signal at LEO Satellite Ground Stations -- 9.4 Modeling of Interference Caused by Uplink Signal for LEO Satellite Ground Stations -- 9.5 Downlink Adjacent Interference for LEO Satellites.

9.6 Adjacent Satellites Interference (Identification/Avoiding) -- 9.6.1 Adjacent Interference Identification and Duration Interval -- 9.7 Modulation Index Application for Downlink Interference Identification -- 9.7.1 Simulation Approach of Interference Events and Timelines -- 9.8 Uplink Interference Identification for LEO Search and Rescue Satellites -- References -- Chapter 10 Two More Challenges -- 10.1 Introduction to the Two Challenges -- 10.2 Downlink Free Space Loss Compensation -- 10.3 Horizon Plane Width: New Parameter for LEO Satellite Ground Station Geometry -- References -- Chapter 11 Closing Remarks -- References -- Index -- EULA.

---

|                         |   |
|-------------------------|---|
| 2. Record Nr.           | UNINA9910484086303321   |
| Autore                  | Radtke Jörg   |
| Titolo                  | Bürgerenergie in Deutschland : Partizipation zwischen Gemeinwohl und Rendite // von Jörg Radtke   |
| Pubbl/distr/stampa      | Wiesbaden : , : Springer Fachmedien Wiesbaden : , : Imprint : Springer VS, , 2016   |
| ISBN                    | 3-658-14626-5   |
| Edizione                | [1st ed. 2016.]   |
| Descrizione fisica      | 1 online resource (729 p.)  |
| Collana                 | Energiepolitik und Klimaschutz. Energy Policy and Climate Protection, , 2626-2827   |
| Disciplina              | 320   |
| Soggetti                | Public policy<br>Economics - Sociological aspects<br>Area studies<br>Public Policy<br>Organizational Studies, Economic Sociology<br>Area Studies  |
| Lingua di pubblicazione | Tedesco   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Description based upon print version of record.   |
| Nota di bibliografia    | Includes bibliographical references.  |
| Nota di contenuto       | Systematischer Überblick über die Partizipationsforschung -- Partizipation im Kontext erneuerbarer Energien -- Bürgerenergie- und Community Energy-Forschung -- Empirische Analyse von Bürgerenergie-Initiativen -- Typologie von Partizipation in Bürgerenergie-Initiativen.   |
| Sommario/riassunto      | Jörg Radtke bietet in diesem Band einen umfassenden Einblick in die gesamte Bandbreite der Organisationsstrukturen von Initiativen der „Bürgerenergie“ und deren Beitrag zur Energiewende. Auf der Grundlage flächendeckender quantitativer Umfragedaten sowie vertiefter Analysen ausgewählter Fallbeispiele von Solar-, Wind- und Geothermie-Projekten dokumentiert er die Sozialstruktur und die Motivationen beteiligter Bürgerinnen und Bürger. Der Autor untersucht Partizipationsformen, Gemeinschaftsbildung und Vernetzung der überwiegend ehrenamtlich geführten „Bürgerenergie“-Initiativen und identifiziert individualistische Beteiligung und kollektive Handlungsweisen als neue Formen projektorientierter Partizipation an |

der Schnittstelle von Wirtschaft, Politik und Zivilgesellschaft. Der Inhalt Systematischer Überblick über die Partizipationsforschung Partizipation im Kontext erneuerbarer Energien Bürgerenergie- und Community Energy-Forschung Empirische Analyse von Bürgerenergie-Initiativen Typologie von Partizipation in Bürgerenergie-Initiativen Die Zielgruppen Dozierende und Studierende der Sozialwissenschaften, Nachhaltigkeits- und Umweltwissenschaften, Energieforschung, Geographie, Kultur-, Rechts- und Wirtschaftswissenschaften Praktikerinnen und Praktiker aus dem Bereich erneuerbarer Energien Der Autor Dr. Jörg Radtke ist wissenschaftlicher Mitarbeiter am Lehrstuhl für Politische Systeme und vergleichende Politikwissenschaft sowie am Sonderforschungsbereich „Medien der Kooperation“ an der Universität Siegen.

---

|                         |  |
|-------------------------|--|
| 3. Record Nr.           | UNIORUON00027511   |
| Autore                  | CAMPBELL, George   |
| Titolo                  | Modern India : A sketch of the system of civil government to which is prefixed some account of the natives and native institutions / George Campbell |
| Pubbl/distr/stampa      | London, : John Murray, 1852 xii, 560 p. ; 22 cm  |
| Classificazione         | SI IV B  |
| Soggetti                | India - Stato e istituzioni - Periodo britannico<br>INDIA - STORIA POLITICA - PERIODO COLONIALE  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |

---