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Titolo	Free-space optics [[electronic resource]] : propagation and communication // Olivier Bouchet ... [et al.]
Pubbl/distr/stampa	London ; ; Newport Beach, CA, : ISTE, 2006
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Descrizione fisica	1 online resource (221 p.)
Collana	ISTE ; ; v.91
Altri autori (Persone)	BouchetOlivier
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Soggetti	Free space optical interconnects Optical communications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	First published in France in 2004 by Hermes Science/Lavoisier entitled "Optique sans fil: propagation et communication."
Nota di bibliografia	Includes bibliographical references (p. [209]-215) and index.
Nota di contenuto	Free-Space Optics; Table of Contents; Introduction; Chapter 1. History of Optical Telecommunications; 1.1. Some definitions; 1.1.1. Telecommunication; 1.1.2. Optical transmission; 1.1.3. Radio or Hertzian waves; 1.2. The prehistory of telecommunications; 1.3. The optical air telegraph; 1.4. The code; 1.5. The optical telegraph; 1.6. The heliograph or solar telegraph: a portable telecommunication system; 1.7. Alexander Graham Bell's photophone; Chapter 2. Basic Principles of Electromagnetism; 2.1. Introduction; 2.2. Maxwell's equations in an unspecified medium 2.3. Propagation of electromagnetic waves in an isotropic and linear homogeneous medium 2.4. Energy associated with a wave; 2.5. Propagation of a wave in a non-homogeneous medium; 2.6. Coherent and incoherent waves; 2.7. Relations between classical electromagnetism and geometrical optics; 2.8. The electromagnetic

spectrum; 2.9. Units and scales; 2.10. Examples of sources in the visible light and near visible light; 2.11. Conclusion; Chapter 3. Emission and Reception of Optical Beams; 3.1. Foreword; 3.2. Introduction; 3.3. Radiometry: basic concepts
 3.4. Optical spectral windows, materials and eye-safety
 3.5. Transmitters; 3.5.1. Broad spectrum incoherent light emitting diodes; 3.5.1.1. Structures; 3.5.1.2. Near and far field patterns; 3.5.1.3. Spectral characteristics; 3.5.1.4. Electrical and optical characteristics; 3.5.2. Laser diodes: high radiant power output, coherent waves; 3.5.2.1. Structures; 3.5.2.2. "(transmitted)/(injected) characteristic": static and dynamic; 3.5.2.3. Spectra and near field patterns; 3.5.2.4. Spectral and modal instabilities and light intensity noise
 3.5.3. Use of amplifiers with "rare earth ion" doped fibers
 3.6. Photodetectors; 3.6.1. Optical spectral range and materials; 3.6.2. Principle of operation and structures; 3.6.2.1. Surface phenomena: optical reflection, charge mobility and current leakage; 3.6.2.2. Absorption and conduction: semiconductor junctions; 3.6.3. Responsivity, response time, junction capacity and dark current; 3.6.4. Photomultipliers and semiconductor avalanche photodiodes; Chapter 4. Line of Sight Propagation; 4.1. Influence of the propagation environment; 4.1.1. Atmospheric absorption; 4.1.2. Atmospheric scattering
 4.1.3. Extinction and total spectral transmission
 4.1.4. Earth's atmosphere; 4.1.4.1. Atmospheric composition; 4.1.4.2. Aerosols; 4.2. Visibility; 4.2.1. Generalities; 4.2.1.1. Definitions; 4.2.1.2. Units and scales; 4.2.1.3. Meteorology needs; 4.2.1.4. Measurement methods; 4.2.2. Visual estimate of the meteorological optical range; 4.2.2.1. General; 4.2.2.2. Estimate of the day time meteorological optical range; 4.2.2.3. Estimate of the night time meteorological optical range; 4.2.2.4. Estimate of the meteorological optical range in the absence of distant reference markers
 4.2.3. Meteorological optical range measurement instruments

Sommario/riassunto

Free space optics is a telecommunications technique which is already being used for everyday exchange of information and has many advantages over other techniques (bandwidth, low cost, mobility of the equipment, security, etc.); within the next decade, it is likely to become an integral and essential part of data-processing architectures and telecommunications. A history of wireless optical telecommunications is given, together with a recapitulation of the application of the principles of electromagnetism to free-space optics. Coverage is also given to the transmitters and receivers of opti

2. Record Nr.	UNINA9911011819703321
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Titolo	Staging the Ghost Story : Shadows in the Limelight // by Kelly Jones
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ISBN	9783031919619
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (311 pages)
Collana	Palgrave Gothic, , 2634-6222
Disciplina	792.0233
Soggetti	Theater - History Goth culture (Subculture) Theater - Production and direction Actors Stage management Theatre History Gothic Studies Theatre Direction and Production Performers and Practitioners Technology and Stagecraft
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Introduction -- Chapter 2: Time -- Chapter 3: Spaces -- Chapter 4: Performers -- Chapter 5: Devices -- Chapter 6: Audience -- Chapter 7: The Curtain Call.
Sommario/riassunto	Staging the Ghost Story is the first book to offer a critical appraisal of the centuries-long relationship between the ghost story and the English stage. The book balances a critical consideration of the ghost story in performance, its history, its cultural politics, and its generic conventions, with practical insight regarding the valency of live representations of the supernatural, the challenges of embodiment, and the power of storytelling. Throughout, it draws upon accompanying interviews with prominent directors, playwrights, performers and stage designers in the industry, including Mark Gatiss, Robin Herford, Michael Holt, Danny Robins, Robert Lloyd Parry, Rebecca

Vaughan, Tajinder Singh Hayer, Glen Neath, Adam Z. Robinson, Richard Sutton, Paul Voodini, and Jonathan Goodwin. With a focus upon the seminal elements of theatrical performance: time, space, bodies, devices, and audience, the book invites the elusive shadows of the ghost story to take centre stage. Kelly Jones is senior lecturer in Drama at the University of Lincoln, UK, where she specialises in theatrical realisations of the supernatural and the Gothic. She is the co-editor of *Contemporary Gothic Drama: Attraction, Consummation and Consumption on the Modern British Stage* (2018).
