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| Autore | Simon Marvin Kenneth <1939-> |
| Titolo | Digital communication over fading channels [[electronic resource] ] : a unified approach to performance analysis / / Marvin K. Simon, Mohamed-Slim Alouini |
| Pubbl/distr/stampa | New York, : John Wiley & Sons, c2000 |
| ISBN | 1-280-55620-X<br>9786610556205<br>0-471-20069-7 |
| Descrizione fisica | 1 online resource (550 pages) |
| Collana | Wiley Series in Telecommunications and Signal Processing ; ; v.46<br>Wiley series in telecommunications and signal processing |
| Disciplina | 621.382 |
| Soggetti | Digital communications - Reliability - Mathematics<br>Electrical & Computer Engineering<br>Engineering & Applied Sciences<br>Telecommunications<br>Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Title from title screen. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Sommario/riassunto | A unified presentation, broad coverage, single-volume convenience<br>This timesaving reference provides a unified approach to the performance analysis of digital communication systems over generalized fading channels. Employing alternative forms of such classical mathematical functions as the Gaussian Q-function, the Marcum Q-function, and the incomplete Gamma function, the book expresses communication system error probability performance in terms of the moment generation function (MGF) of the fading process. This MGF-based approach provides the unifying backbone of the book. Digital Communication over Fading Channels discusses in detail coherent, differentially coherent, and noncoherent communication systems as well as a large variety of fading channel models typical of communication links found in the real world. Coverage also includes |

single- and multichannel reception and, in the case of the latter, a large variety of diversity types. For each combination of communication type, channel fading model, and diversity type, the average bit error rate and/or symbol error rate is expressed in an easy-to-evaluate form.