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Edited by the Digital Signal Processing Committee, IEEE Acoustics, Speech, and Signal Processing Society.
1976. 592 pages ISBN—Clothbound 0-87942-059-6; Paperbound 0-87942-060-X A Book of Selected Reprints

Progress in the field of digital signal processing has been rapid, and the literature has increased apace with the expanding activity in research and applications. Because of the interdisciplinary interest in the subject, important papers appear in any of a number of journals and other publications. Making these key papers readily accessible is the purpose of this book (and of its 1972 companion volume, **DIGITAL SIGNAL PROCESSING**).

The papers reprinted in this volume were carefully selected from the large number of candidates. Those with the best combination of comprehensiveness, treatment, and length were chosen, with preference given to tutorial and review papers. No articles included in the 1972 companion volume were selected.

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ISBN—Clothbound 0-87942-057-X; Paperbound 0-87942-058-8. A Book of Selected Reprints

The behavior of actual communications channels—both wire and radio—including the effect of such channels on information-bearing signals, is a subject of great interest and practical importance in communications. Yet most texts limit their treatment to specialized idealized channels, failing to take into account real-world channel conditions that may not be amenable to exact analytic representation.

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One of the most promising developments in the communications field is the use of optical fibers for the transmission of signals. Because progress in optical fiber technology has been rapid, it is necessary to consult the recent journal literature to obtain a current picture of the state of the art. This can be a formidable assignment, since there are hundreds of scattered papers on the subject. This time-consuming task is dramatically simplified by this book, which contains papers carefully selected with the objective of providing a comprehensive survey of the latest concepts, advances, and trends.

The book begins with a comprehensive two-part tutorial-review paper that introduces the reader to the background and current state of optical fiber technology.

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Telephone networks, gas pipelines, computer nets, transportation systems—all are designed by using large-scale networks models. The methods used to analyze such models form an important body of knowledge that has been widely and profitably applied, although results are often reported in various specialized journals.

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Edited by Robert M Woelfle, *E-Systems, Inc.* 1975. 240 pages.
ISBN—Clothbound 0-87942-055-3; Paperbound 0-87942-056-1

This book is basically a "how to" guide to help professional people communicate their ideas to others on a real-time basis. It contains articles that describe various techniques for planning, preparing, and executing presentations using virtually all types of media, including multimedia. The articles were carefully selected from the large body of literature in this area because they have a tutorial approach and address subjects that are of practical value in solving the problems normally encountered in preparing and implementing a presentation. Included in the articles are checklists for selecting the best medium and equipment for various applications

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