



# Discrete-Time Processing of Speech Signals

*John R. Deller Jr., John H. L. Hansen, John G. Proakis*

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Commercial applications of speech processing and recognition are fast becoming a growth industry that will shape the next decade. Now students and practicing engineers of signal processing can find in a single volume the fundamentals essential to understanding this rapidly developing field. IEEE Press is pleased to publish a classic reissue of *Discrete-Time Processing of Speech Signals*. Specially featured in this reissue is the addition of valuable World Wide Web links to the latest speech data references.

This landmark book offers a balanced discussion of both the mathematical theory of digital speech signal processing and critical contemporary applications. The authors provide a comprehensive view of all major modern speech processing areas: speech production physiology and modeling, signal analysis techniques, coding, enhancement, quality assessment, and recognition. You will learn the principles needed to understand advanced technologies in speech processing -- from speech coding for communications systems to biomedical applications of speech analysis and recognition.

Ideal for self-study or as a course text, this far-reaching reference book offers an extensive historical context for concepts under discussion, end-of-chapter problems, and practical algorithms. *Discrete-Time Processing of Speech Signals* is the definitive resource for students, engineers, and scientists in the speech processing field.

An Instructor's Manual presenting detailed solutions to all the problems in the book is available upon request from the Wiley Marketing Department.

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