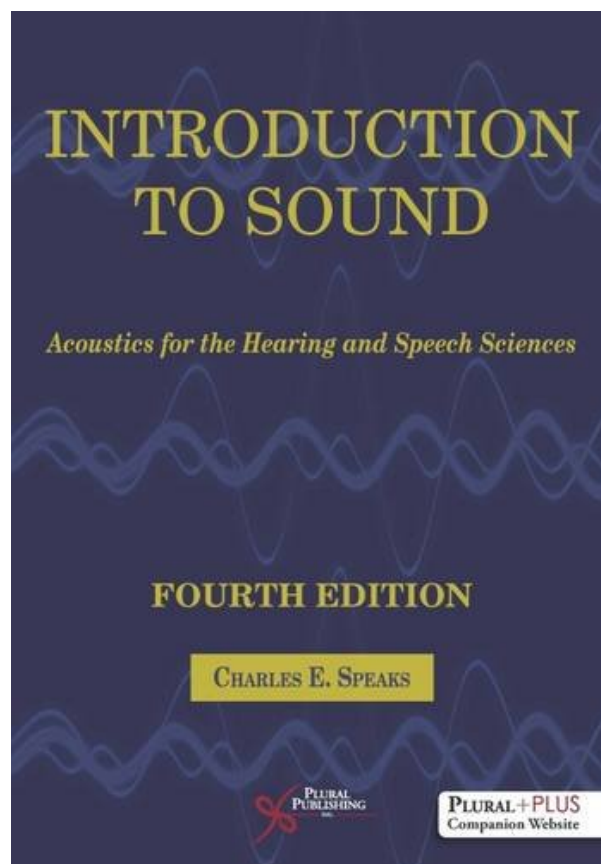
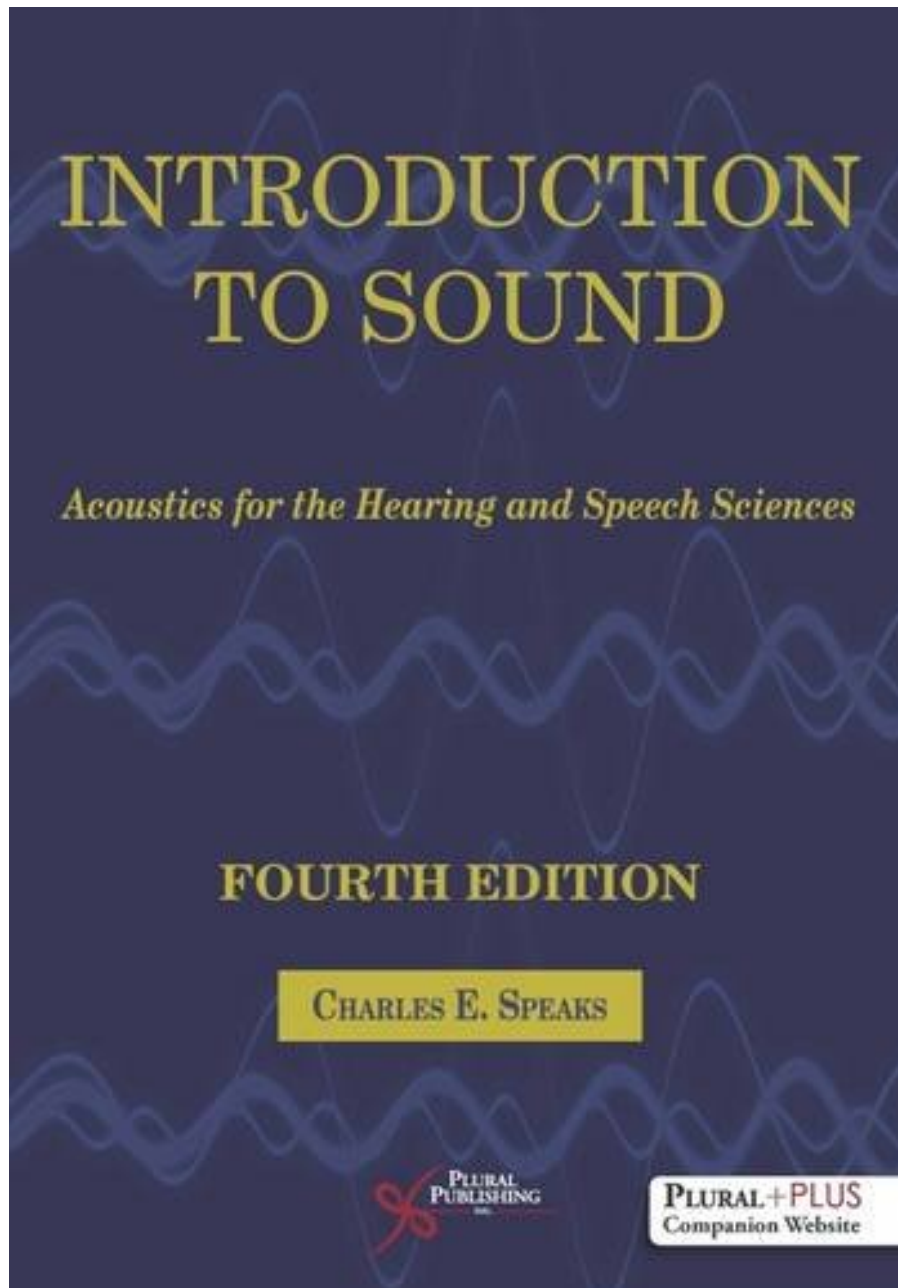


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## About the Author

Charles E. Speaks, PhD, is a Distinguished Morse-Alumni Professor Emeritus in the Department of Speech-Language-Hearing Sciences at the University of Minnesota. He received his Bachelor of Science and Master of Arts degrees from Ohio University and his PhD degree from the University of Michigan. He taught an undergraduate/graduate-level course in acoustics at the University of Minnesota for 39 years, and developed an undergraduate course on the physics and biology of spoken language. Dr. Speaks was awarded a Distinguished Teacher Award by the College of Liberal Arts in 1977, a Horace T. Morse-Minnesota Alumni Association Award for Outstanding Contributions to Undergraduate Education in 1997, and was inducted into the University of Minnesota Academy of Distinguished Teachers in 1999. Dr. Speaks also was awarded the Honors of the American Speech-Language-Hearing Association in 2002.

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- Sales Rank: #6624271 in Books
- Published on: 2017-04-03
- Original language: English
- Dimensions: .0" h x .0" w x .0" l,
- Binding: Hardcover
- 325 pages

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