
About the Author

Thomas F. Quatieri received the B.S. degree (summa cum laude) from Tufts University, Medford, Massachusetts, in 1973, and the SM, EE, and ScD degrees from the Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts, in 1975, 1977, and 1979, respectively. He is currently a Senior Member of the Technical Staff at MIT Lincoln Laboratory, Lexington, Massachusetts.

In 1980, Dr. Quatieri joined the Sensor Processing Technology Group of MIT Lincoln Laboratory, where he worked on problems in multi-dimensional digital signal processing and image processing. Since 1983 he has been a member of the Information Systems Technology Group at Lincoln Laboratory, where he has been involved in digital signal processing for speech and audio applications, underwater sound enhancement, and data communications. His current focus is in the areas of speech and audio modification, enhancement, and coding, and speaker recognition. He has many publications in journals and conference proceedings, holds several patents, and co-authored chapters in numerous edited books including: *Advanced Topics in Signal Processing* (Prentice Hall, 1987), *Advances in Speech Signal Processing* (Marcel Dekker, 1991), and *Speech Coding and Synthesis* (Elsevier, 1995). Dr. Quatieri is a member of the faculty of the MIT Speech and Hearing Bioscience and Technology Program. He has also developed the MIT graduate course *Digital Speech Processing*, and is active in advising graduate students on the MIT campus.

Dr. Quatieri is the recipient of the 1982 Paper Award of the IEEE Acoustics, Speech and Signal Processing Society for the paper, "Implementation of 2-D Digital Filters by Iterative Methods." His publications also include "Speech Analysis/Synthesis Based on a Sinusoidal Representation," winner of the 1990 IEEE Signal Processing Society's Senior Award; and "Energy Separation in Signal Modulations with Application to Speech Analysis," winner of the 1994 IEEE Signal Processing Society's Senior Award and the 1995 IEEE W.R.G. Baker Prize Award. He was a member of the IEEE Digital Signal Processing Technical Committee, from 1983 to 1992 served on the steering committee for the bi-annual Digital Signal Processing Workshop, and was Associate Editor for the IEEE Transactions on Signal Processing in the area of non-linear systems. He currently serves on the IEEE Speech Processing Technical Committee. Dr. Quatieri is a Fellow of the IEEE and is also a member of Tau Beta Pi, Eta Kappa Nu, Sigma Xi, and the Acoustical Society of America.