

THE THEORY AND PRACTICE OF INVESTMENT MANAGEMENT

SECOND EDITION

Asset Allocation, Valuation, Portfolio Construction, and Strategies

FRANK J. FABOZZI, HARRY M. MARKOWITZ, EDITORS

The Theory and Practice of Investment Management Second Edition

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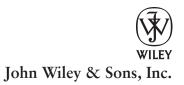
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About the Editors

Frank J. Fabozzi is Professor in the Practice of Finance in the Yale School of Management. Prior to joining the Yale faculty, he was a Visiting Professor of Finance in the Sloan School at MIT. He is a Fellow of the International Center for Finance at Yale University and on the Advisory Council for the Department of Operations Research and Financial Engineering at Princeton University. Professor Fabozzi is the editor of the Journal of Portfolio Management and an associate editor of the Journal of Fixed Income, Journal of Asset Management, Review of Futures Markets, and Quantitative Finance. He is a trustee for the BlackRock family of closed-end funds. In 2002, he was inducted into the Fixed Income Analysts Society's Hall of Fame and is the 2007 recipient of the C. Stewart Sheppard Award given by the CFA Institute. He has authored numerous books in investment management. Professor Fabozzi earned a doctorate in economics from the City University of New York in 1972 and earned the designation of Chartered Financial Analyst and Certified Public Accountant.

Harry M. Markowitz has applied computer and mathematical techniques to various practical decision making areas. In finance, in an article in 1952 and a book in 1959, he presented what is now referred to as MPT, "modern portfolio theory." This has become a standard topic in college courses and texts on investments and is widely used by institutional investors for tactical asset allocation, risk control, and attribution analysis. In other areas, Dr. Markowitz developed "sparse matrix" techniques for solving very large mathematical optimization problems. These techniques are now standard in production software for optimization programs. He also designed and supervised the development of the SIMSCRIPT programming language. SIMSCRIPT has been widely used for programming computer simulations of systems like factories, transportation systems, and communication networks. In 1989, Dr. Markowitz received the John von Neumann Award from the Operations Research Society of America for his work in portfolio theory, sparse matrix techniques, and SIMSCRIPT. In 1990, he shared the Nobel Prize in Economics for his work on portfolio theory.