Contents

Preface to the First Edition ................................................................. xv
Preface to the Second Edition ......................................................... xvii
Preface to the Third Edition ............................................................. 1
Brian Adams ...................................................................................... 2
    Senior Member of Technical Staff Optimization and Uncertainty Estimation; Sandia National Laboratories
Jeffrey Zane Anderson ................................................................. 4
    Industrial Engineer; Commonwealth Aluminum Corporation
#Alysia Appell .................................................................................. 6
    Senior Analyst; Northwest Airlines
P. Darcy Barnett ............................................................................... 8
    Computer Scientist; National Institute of Standards and Technology
Carl M. Beard .................................................................................. 10
    Mathematician; Rockwell International Corporation
Cherryl Beeman .............................................................................. 12
    Electronic Commerce Specialist; The Kodiak Group
Betsy Bennett ................................................................................... 14
    Private School Teacher; St. Albans School, Washington, DC
#Nick Bennett ................................................................................ 16
    Research Scientist; Schlumberger
Jonathan G. Blattmachr ................................................................. 18
    Partner; Milbank, Tweed, Hadley & McCloy, New York and Los Angeles
#Mary Bonar ................................................................................... 20
    Emergency Medicine Physician; Pinnacle Hospital, Harrisburg, PA
Ron Bousquet .................................................................................. 22
    R&D Project Manager; Hewlett-Packard Company
Margaret L. Brandeau ....................................................................... 24
    Associate Professor of Industrial Engineering; Stanford University
Judith R. Brown ............................................................................... 26
    Manager, Advanced Research Computing Services; The University of Iowa
Denise Cammarata ........................................................................... 28
    Senior Engineer; Westinghouse Wireless Solutions Company
Cora L. Carmody ............................................................................... 30
    Manager of Systems Engineering; PRC, Inc.
Jessie Caruso .................................................................................... 32
    Senior Systems Integrator; CollabraSpace, Inc.
Jack Cassidy ..................................................................................... 34
    Engineer Scientist, Firmware; Hewlett-Packard
Shane Chalke .................................................................................. 36
    Actuary/Business Owner; Chalke, Inc.
Judith E. Chapman
Senior Software Engineer; Harris Scientific Calculations

Samson Cheung
Research Scientist; MCAT Institute, NASA Ames Research Center

Yves Chiricota
Professor; Université du Québec à Chicoutimi

#Megan Christensen
Risk Analyst; Travelers Insurance

#Andrea Cook
Employee Benefits Consultant; Plante & Moran, PLLC

James L. Cooley
Aerospace Mathematician; NASA Goddard Space Flight Center

Mary K. Cooney
Mathematics Editor; Simon & Schuster, Inc.

Jeff Cooper
Corporate Technical Developer; P.H. Glatfelter Company

Joe Corrigan
Project Mathematics!

H. Michael Covert
Senior Computer Systems Specialist; Chemical Abstracts Service

Sarah Cullen
Senior Professional Relations Representative; Bay State Health Care

Allison DeLong
Marine Research Associate; University of Rhode Island

Janet P. DenBleyker
Assistant Actuary; Buck Consultants

Mark Derwin

Susan J. Devlin
Director—Measurements Research; Bellcore

J. Wanzer Drane
Professor of Biostatistics; University of South Carolina School of Public Health

Arnitra Duckett
Educational Markets Manager; Texas Instruments, Incorporated

Paula Duckett
Elementary School Mathematics Specialist

Yawa Duse-Anthony
Senior Associate; KKO and Associates

M. Scott Elliott
Operations Research Analyst; FedEx Corporation

#Katie Evans
Assistant Professor; Louisiana Tech University

Helaman Ferguson
Sculptor

Rol Fessenden
Director of Inventory Control; L.L. Bean
#Kathie Flood ................................................................. 84
Program Manager; Microsoft Games Studio

#Sara Ford ............................................................................. 86
Software Design Engineer in Test; Microsoft Corporation

Richard D. Fuhr .................................................................... 88
Senior Engineer; Electronic Data Systems

Holly Gaff ............................................................................. 90
Graduate Research Associate; University of Tennessee

Marshall B. Garrison ........................................................... 92
Principal Software Engineer; PictureTel Corporation

#Allen Gibson ...................................................................... 94
Instructor; Stillman School of Business, Seton Hall University

Ruth Gonzalez ...................................................................... 96
Research Specialist; Exxon Production Research Company

Douglas A. Gray .................................................................... 98
Senior Consultant; American Airlines Decision Technologies

Cynthia Carter Haddock ....................................................... 100
Professor and Academic Program Director; University of Alabama at Birmingham

Charles R. Hadlock ............................................................. 102
Professor of Mathematics; Bentley College

Charles Hagwood .................................................................. 104
Mathematician; National Institute of Standards and Technology (NIST)

John F. Hamilton .................................................................. 106
Research Associate; Eastman Kodak Company

William D. Hammers ........................................................... 108
Chief Financial Officer; Optimal Solutions

#Jeff Hand ............................................................................ 110
Senior Physics Engineer; Raytheon

Carl M. Harris ...................................................................... 112
Professor and Operations Researcher; George Mason University

Mary Hesselgrave ............................................................... 114
Distinguished Member of Technical Staff; Lucent Technologies Bell Labs

Jerry W. Highfill ................................................................... 116
Mathematical Statistician; United States Environmental Protection Laboratory

#Matthew D. Janssen .......................................................... 118
Commercial Litigation Attorney; Pepper Hamilton LLP

Richard Järvinen .................................................................. 120
Professor and Consultant; Winona State University and NASA

#Captain C.J. Jaynes ............................................................ 124
PMA 213 Program Manager; United States Navy

Denise Ann Johnston ............................................................ 126
Instructor and Consultant on Quality Control; Boeing Commercial Airplane Group

Patricia H. Jones ................................................................. 128
Professor and Chair; Methodist College
Marcia P. Kastner ................................................................. 130
  Research Scientist; Akamai Technologies, Inc.
Sherra E. Kerns ................................................................. 132
  Professor and Chair; Vanderbilt University
Gary Kim ................................................................. 134
  Accounting Manager; Perdue Farms Incorporated
#Greg King ................................................................. 136
  Teacher; Dublin City Schools
Kay Strain King ............................................................. 138
  Senior Environmental Mathematician; Theta Engineering, Inc.
Karen M. Kneisel ............................................................ 140
  Project Manager; Otis Elevator Company
#John Kuchenbrod ........................................................... 142
  Project Team Manager; The MITRE Corporation
Janice A. Kulle ............................................................... 144
  Senior Product Actuary; The Baltimore Life Insurance Company
Kimberly A. Kuntz ........................................................... 146
  Senior Systems Engineer; Electronic Data Systems
Michael H. Kutner .......................................................... 148
  Chairman, Department of Biostatistics and Epidemiology; The Cleveland Clinic Foundation
Donna E. Lawson ............................................................ 150
  Economist; National Oceanic and Atmospheric Administration
Christopher M. Legault ..................................................... 152
  Research Fishery Biologist; NOAA Fisheries
Loren Mernoff Lewin ........................................................ 154
  Senior Systems Engineer; Telcordia Technologies
Mike Lieber ................................................................. 156
  Biostatistician; Cleveland Clinic Foundation
Peter A. Lindstrom .......................................................... 158
  Retired Professor of Mathematics; North Lake College
#Dan Loeb ................................................................. 160
  Quantitative Research Department; Susquehanna International Group
Tammy M. Lofton .............................................................. 162
  Actuarial Assistant; Nationwide Insurance Company
#Valerie Lopez-Zinzer, A.S.A ............................................ 164
  Actuarial Associate; Watson Wyatt
Christopher M. Luczynski ................................................ 166
  Senior Associate Engineer; Mask House, IBM
#Chad Magers ............................................................... 168
  Scientist; Naval Surface Warfare Center
Carol J. Mandell ............................................................ 170
  Market Researcher; Corporate Software, Inc.
#Carla D. Martin ........................................................... 172
  Assistant Professor; James Madison University
Patrick Dale McCray .............................................. 174
  Systems Project Leader; G.D. Searle & Co., a subsidiary of Monsanto

Jennifer E. McLean ............................................... 176
  Member of Technical Staff; Jet Propulsion Laboratory

Juan C. Meza ..................................................... 178
  Numerical Analyst; Sandia National Laboratories

Michael G. Monticino .......................................... 180
  Associate Professor; University of North Texas

S. Brent Morris ................................................ 182
  Mathematician; National Security Agency

William D. Murphy ............................................ 184
  Applied Mathematician: Rockwell International Science Center

Michael J. Murray ............................................... 186
  Java Developer; IBM Global Services

Deenanne Kay Myers ........................................... 188
  Product Analyst; AIG Specialty Auto

Joan Peters Ogden ............................................... 190
  Consulting Actuary; Joan Ogden Actuaries

Edna Lee Paisano ............................................... 192
  Statistician; Bureau of the Census

#Amanda Peterson ............................................. 194
  Modeling and Simulation Analyst; Dynamic Research Corporation

Bruce A. Powell ............................................... 196
  Manager, Group Control; Otis Elevator Company

Marla Prenger .................................................. 198
  Associate Scientist; Procter and Gamble

Edward H. Preston ............................................. 200
  Sr. Information Systems Engineer; MITRETEK Systems, Inc.

Fred L. Preston ................................................ 202
  Systems Engineer; Lucent Technologies

Diane R. Purcell .............................................. 204
  Financial Analyst; KeyCorp

#Amanda Quiring ............................................... 206
  Project Manager; International Accounting Standards Board

Laura Readdy ................................................... 208
  Advanced Systems Engineer; Electronic Data Systems Corporation (EDS)

Brian D. Repp .................................................. 210
  Senior Data Math Analyst; Bendix Field Engineering Corporation

Mark A. Reynolds .............................................. 212
  Operations Research Manager; USAir, Inc.

Nancy K. Roderer ............................................... 214
  Director; Harvey Cushing/John Hay Whitney Medical Library, Yale University

Peter Rosenthal ................................................. 216
  Professor; University of Toronto

David S. Ross .................................................. 218
  Research Associate; Eastman Kodak Company

xi
Edward Rothstein
Cultural Critic-At-Large; New York Times

Christine Rutch
Associate Statistician; Air Products and Chemicals, Inc.

Bonita V. Saunders
Mathematician; National Institute of Standards and Technology

Julie Scarpa
Mathematics Product Manager; Prentice Hall School Division

Jeffrey A. Schneider
Secondary Mathematics Teacher; Eden Prairie High School

Joel Schneider
Vice President for Education and Research; Square One TV: Children's Television Workshop

Deborah A. Southan
Scientific Systems Programmer; Bendix Field Engineering Corporation

Mitchell Stabbe
Partner; Dow, Lohnes & Albertson, PLLC

Arthur P. Staddon
Clinical Associate Professor; University of Pennsylvania School of Medicine

#Courtney Stephens
Senior Commercial Analyst; The Americas Marathon Oil Company

Robert L. Stewart
NASA Astronaut/Director of Advanced Programs; Nichols Research Corporation

Mary Kay Esworthy Stiles
Marketing Specialist/Claims Manager; Riedman Insurance

Kathy Haas Stukus
Member Technical Staff; AT&T Network Systems

Lisa M. Sullivan
Senior Budget Analyst; Bureau of Medicine and Surgery, Department of the Navy

Elizabeth Sweet
Mathematical Statistician; Bureau of the Census

Julie S. Tarwater
Quality Control Manager; Biles & Associates

Debra W. Taufen
Marketing Manager; IBM Corporation

Frederick C. Taverner
District Systems Engineering Manager; Sun Microsystems, Inc.

Mark P. Terry
Systems Engineer; Trident Systems Incorporated

Jill L. Tolle
Senior Statistician; I.M.S. America

Lisa M. Tonder
Principal Statistician; Medtronic, Inc.

#Jane Turnbull
Assistant Vice President; Equifax