# Contents

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preface to the First Edition</td>
<td>xv</td>
</tr>
<tr>
<td>Preface to the Second Edition</td>
<td>xvii</td>
</tr>
<tr>
<td>Preface to the Third Edition</td>
<td>1</td>
</tr>
<tr>
<td>Brian Adams</td>
<td>2</td>
</tr>
<tr>
<td>Jeffrey Zane Anderson</td>
<td>4</td>
</tr>
<tr>
<td>Alysia Appell</td>
<td>6</td>
</tr>
<tr>
<td>P. Darcy Barnett</td>
<td>8</td>
</tr>
<tr>
<td>Carl M. Beard</td>
<td>10</td>
</tr>
<tr>
<td>Cheryl Beeman</td>
<td>12</td>
</tr>
<tr>
<td>Betsy Bennett</td>
<td>14</td>
</tr>
<tr>
<td>Nick Bennett</td>
<td>16</td>
</tr>
<tr>
<td>Jonathan G. Blattmachr</td>
<td>18</td>
</tr>
<tr>
<td>Mary Bonar</td>
<td>20</td>
</tr>
<tr>
<td>Ron Bousquet</td>
<td>22</td>
</tr>
<tr>
<td>Margaret L. Brandeau</td>
<td>24</td>
</tr>
<tr>
<td>Judith R. Brown</td>
<td>26</td>
</tr>
<tr>
<td>Denise Cammarata</td>
<td>28</td>
</tr>
<tr>
<td>Cora L. Carmody</td>
<td>30</td>
</tr>
<tr>
<td>Jessie Caruso</td>
<td>32</td>
</tr>
<tr>
<td>Jack Cassidy</td>
<td>34</td>
</tr>
<tr>
<td>Shane Chalke</td>
<td>36</td>
</tr>
</tbody>
</table>

101 careers in mathematics

2014

digitalisiert durch: IDS Basel Bern
Judith E. Chapman
Senior Software Engineer; Harris Scientific Calculations
38

Samson Cheung
Research Scientist; MCAT Institute, NASA Ames Research Center
40

Yves Chiricota
Professor; Université du Québec à Chicoutimi
42

#Megan Christensen
Risk Analyst; Travelers Insurance
44

#Andrea Cook
Employee Benefits Consultant; Plante & Moran, PLLC
46

James L. Cooley
Aerospace Mathematician; NASA Goddard Space Flight Center
48

Mary K. Cooney
Mathematics Editor; Simon & Schuster, Inc.
50

Jeff Cooper
Corporate Technical Developer; P.H. Glatfelter Company
52

Joe Corrigan
Project Mathematics!
54

H. Michael Covert
Senior Computer Systems Specialist; Chemical Abstracts Service
56

Sarah Cullen
Senior Professional Relations Representative; Bay State Health Care
58

Allison DeLong
Marine Research Associate; University of Rhode Island
60

Janet P. DenBleyker
Assistant Actuary; Buck Consultants
62

Mark Derwin
64

Susan J. Devlin
Director-Measurements Research; Bellcore
66

J. Wanzer Drane
Professor of Biostatistics; University of South Carolina School of Public Health
68

Armita Duckett
Educational Markets Manager; Texas Instruments, Incorporated
70

Paula Duckett
Elementary School Mathematics Specialist
72

Yawa Duse-Anthony
Senior Associate; KKO and Associates
74

M. Scott Elliott
Operations Research Analyst; FedEx Corporation
76

#Katie Evans
Assistant Professor; Louisiana Tech University
78

Helaman Ferguson
Sculptor
80

Rol Fessenden
Director of Inventory Control; L.L. Bean
82
<table>
<thead>
<tr>
<th>Name</th>
<th>Position and Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kathie Flood</td>
<td>Program Manager; Microsoft Games Studio</td>
</tr>
<tr>
<td>Sara Ford</td>
<td>Software Design Engineer in Test; Microsoft Corporation</td>
</tr>
<tr>
<td>Richard D. Fuhr</td>
<td>Senior Engineer; Electronic Data Systems</td>
</tr>
<tr>
<td>Holly Gaff</td>
<td>Graduate Research Associate; University of Tennessee</td>
</tr>
<tr>
<td>Marshall B. Garrison</td>
<td>Principal Software Engineer; PictureTel Corporation</td>
</tr>
<tr>
<td>Allen Gibson</td>
<td>Instructor; Stillman School of Business, Seton Hall University</td>
</tr>
<tr>
<td>Ruth Gonzalez</td>
<td>Research Specialist; Exxon Production Research Company</td>
</tr>
<tr>
<td>Douglas A. Gray</td>
<td>Senior Consultant; American Airlines Decision Technologies</td>
</tr>
<tr>
<td>Cynthia Carter Haddock</td>
<td>Professor and Academic Program Director; University of Alabama at Birmingham</td>
</tr>
<tr>
<td>Charles R. Hadlock</td>
<td>Professor of Mathematics; Bentley College</td>
</tr>
<tr>
<td>Charles Hagwood</td>
<td>Mathematician; National Institute of Standards and Technology (NIST)</td>
</tr>
<tr>
<td>John F. Hamilton</td>
<td>Research Associate; Eastman Kodak Company</td>
</tr>
<tr>
<td>William D. Hammers</td>
<td>Chief Financial Officer; Optimal Solutions</td>
</tr>
<tr>
<td>Jeff Hand</td>
<td>Senior Physics Engineer; Raytheon</td>
</tr>
<tr>
<td>Carl M. Harris</td>
<td>Professor and Operations Researcher; George Mason University</td>
</tr>
<tr>
<td>Mary Hesselgrave</td>
<td>Distinguished Member of Technical Staff; Lucent Technologies Bell Labs</td>
</tr>
<tr>
<td>Jerry W. Highfill</td>
<td>Mathematical Statistician; United States Environmental Protection Laboratory</td>
</tr>
<tr>
<td>Matthew D. Janssen</td>
<td>Commercial Litigation Attorney; Pepper Hamilton LLP</td>
</tr>
<tr>
<td>Richard Järvinen</td>
<td>Professor and Consultant; Winona State University and NASA</td>
</tr>
<tr>
<td>Captain C.J. Jaynes</td>
<td>PMA 213 Program Manager; United States Navy</td>
</tr>
<tr>
<td>Denise Ann Johnston</td>
<td>Instructor and Consultant on Quality Control ; Boeing Commercial Airplane Group</td>
</tr>
<tr>
<td>Patricia H. Jones</td>
<td>Professor and Chair; Methodist College</td>
</tr>
</tbody>
</table>
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-Zinzner, 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
Edward Rothstein........................................................................................................220  
Cultural Critic-At-Large; New York Times

Christine Rutch........................................................................................................222  
Associate Statistician; Air Products and Chemicals, Inc.

Bonita V. Saunders....................................................................................................224  
Mathematician; National Institute of Standards and Technology

Julie Scarpa................................................................................................................228  
Mathematics Product Manager; Prentice Hall School Division

Jeffrey A. Schneider...................................................................................................230  
Secondary Mathematics Teacher; Eden Prairie High School

Joel Schneider............................................................................................................232  
Vice President for Education and Research; Square One TV: Children’s Television Workshop

Deborah A. Southan...................................................................................................236  
Scientific Systems Programmer; Bendix Field Engineering Corporation

Mitchell Stabbe..........................................................................................................238  
Partner; Dow, Lohnes & Albertson, PLLC

Arthur P. Staddon......................................................................................................240  
Clinical Associate Professor; University of Pennsylvania School of Medicine

#Courtney Stephens...................................................................................................242  
Senior Commercial Analyst; The Americas Marathon Oil Company

Robert L. Stewart.......................................................................................................244  
NASA Astronaut/Director of Advanced Programs; Nichols Research Corporation

Mary Kay Esworthy Stiles..........................................................................................246  
Marketing Specialist/Claims Manager; Riedman Insurance

Kathy Haas Stukus......................................................................................................248  
Member Technical Staff; AT&T Network Systems

Lisa M. Sullivan..........................................................................................................250  
Senior Budget Analyst; Bureau of Medicine and Surgery, Department of the Navy

Elizabeth Sweet.........................................................................................................252  
Mathematical Statistician; Bureau of the Census

Julie S. Tarwater........................................................................................................254  
Quality Control Manager; Biles & Associates

Debra W. Taufen........................................................................................................256  
Marketing Manager; IBM Corporation

Frederick C. Taverner...............................................................................................258  
District Systems Engineering Manager; Sun Microsystems, Inc.

Mark P. Terry..............................................................................................................260  
Systems Engineer; Trident Systems Incorporated

Jill L. Tolle..................................................................................................................262  
Senior Statistician; I.M.S. America

Lisa M. Tonder..........................................................................................................264  
Principal Statistician; Medtronic, Inc.

#Jane Turnbull..........................................................................................................268  
Assistant Vice President; Equifax