

Contents

About the Book	ix
Acknowledgments	xi
Editors	xiii
Contributors	xv
1. Convex Functions in Optimization	1
<i>Joydeep Dutta</i>	
2. Introduction to Game Theory	79
<i>Aditya K. Jagannatham and Vimal Kumar</i>	
3. Multi-Objective Optimization	145
<i>Kalyanmoy Deb, Karthik Sindhya, and Jussi Hakanen</i>	
4. Hybridizing MOEAs with Mathematical-Programming Techniques	185
<i>Saúl Zapotecas-Martínez, Adriana Lara, and Carlos A. Coello Coello</i>	
5. Other Decision-Making Models	233
<i>Raghu Nandan Sengupta</i>	
6. Queueing Theory	287
<i>Ülkü Gürler and Emre Berk</i>	
7. Inventory Theory	349
<i>Emre Berk and Ülkü Gürler</i>	
8. Statistical Methods	413
<i>Raghu Nandan Sengupta and Debasis Kundu</i>	
9. Univariate Time-Series Analysis and Forecasting: Theory and Practice	521
<i>R. Krishnan</i>	
10. Univariate Volatility Modeling: Theory and Practice	631
<i>R. Krishnan</i>	
11. Metaheuristic Techniques	693
<i>Sunith Bandaru and Kalyanmoy Deb</i>	
12. Neural Networks	751
<i>Amit Bhaya</i>	
13. Simulation Modeling and Analysis	801
<i>Aparna Gupta</i>	

14. Web-Enabled Decision-Support Systems	887
<i>Deepu Philip, Dmitri G. Markovitch, and Lois S. Peters</i>	
15. Algorithms and Their Design	913
<i>Surya Prakash, Phalguni Gupta, and Raghunath Tewari</i>	
16. Data Envelopment Analysis: An Overview	957
<i>Subhash C. Ray</i>	
Index	999