# Contents

1. **Obtaining Tighter Relaxations of Mathematical Programs with Complementarity Constraints** .................................................. 1  
   John E. Mitchell, Jong-Shi Pang, and Bin Yu

2. **Distributed Optimization in Networking: Recent Advances in Combinatorial and Robust Formulations** ............................ 25  
   Minghua Chen and Mung Chiang

3. **Fast First-Order Algorithms for Packing–Covering Semidefinite Programs** ................................................................. 53  
   G. Iyengar, D.J. Phillips, and C. Stein

4. **On the Tendency Toward Convexity of the Vector Sum of Sets**........ 67  
   Roger E. Howe

5. **Multiobjective Optimization via Parametric Optimization: Models, Algorithms, and Applications** ................................. 77  
   Oleksandr Romanko, Alireza Ghaffari-Hadigheh, and Tamás Terlaky
Modeling and Optimization: Theory and Applications
Selected Contributions from the MOPTA 2010 Conference
Terlaky, T.; Curtis, F.E. (Eds.)
2012, VIII, 120 p., Hardcover