Contents

Complementarity and Variational Inequalities in Electronics .......... 1
Khalid Addi and Daniel Goeleven

Electromagnetic Scattering by a Chiral Impedance Screen .......... 45
C.E. Athanasiadis, V. Sevroglou, and K.I. Skourogiannis

Optimal Batch Production with Rework Process for Products
with Time-Varying Demand Over Finite Planning Horizon .......... 57
Lakdere Benkherouf, Konstantina Skouri, and Ioannis Konstantaras

On Co-polynomials on the Real Line and the Unit Circle .......... 69
Kenier Castillo, Francisco Marcellán, and Jorge Rivero

Electromagnetic Compatibility (EMC) in Challenging Environments ..... 95
C. Christopoulos

Cybersecurity Investments with Nonlinear Budget Constraints:
Analysis of the Marginal Expected Utilities ...................... 117
Patrizia Daniele, Antonino Maugeri, and Anna Nagurney

Ellipsoid Targeting with Overlap .................................... 135
Nicholas J. Daras

A Review of Several Optimization Problems Related to
Security in Networked System ........................................... 155
Bhaskar DasGupta and Venkatkumar Srinivasan

On Some Information Geometric Approaches to Cyber Security ...... 167
C.T.J. Dodson

A Survey of Recent Inequalities for Relative Operator Entropy .......... 199
Silvestru Sever Dragomir

On the Use of Elliptic Regularity Theory for the Numerical
Solution of Variational Problems ...................................... 231
Axel Dreves, Joachim Gwinner, and Nina Ovcharova
Strong and Weak Convexity of Closed Sets in a Hilbert Space ............... 259
Vladimir V. Goncharov and Grigorii E. Ivanov

Non-equilibrium Solutions of Dynamic Networks: A Hybrid System Approach ................................................................. 299
Scott Greenhalgh and Monica-Gabriela Cojocaru

Measuring Ballistic Dispersion for the Purpose of Ammunition Quality Assurance ................................................................. 317
W.J. Hurley, Jack Brimberg, and Andrey Pavlov

Region-Based Watermarking for Images .......................................................... 331
Konstantinos A. Raftopoulos, Nikolaos Papadakis, Klimis S. Ntalianis,
Paraskevi Tzouveli, Georgios Goudelis, and Stefanos D. Kollias

Optimal Inventory Policies for Finite Horizon Inventory Models with Time Varying Demand: A Unified Presentation ............... 345
Konstantina Skouri, Lakedere Benkherouf, and Ioannis Konstantaras

Metrical Pareto Efficiency and Monotone EVP ........................................... 359
Mihai Turinici

New Two-Slope Parameterized Achievement Scalarizing Functions for Nonlinear Multiobjective Optimization ......................... 403
Outi Wilppu, Marko M. Mäkelä, and Yury Nikulin
Operations Research, Engineering, and Cyber Security
Trends in Applied Mathematics and Technology
Daras, N.J.; Rassias, T.M. (Eds.)
2017, XI, 422 p. 61 illus., 27 illus. in color., Hardcover
ISBN: 978-3-319-51498-7