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Nota di contenuto	A Case Study on Stochastic Security-Constrained Unit Commitment for Power Systems Models in Baden-W"urtemberg -- New centrality indices in network analysis -- On Variants of PCGs: A Survey of Current Results and Open Problems -- imulation Experiments to Assess the Effectiveness of Randomization in Security Screening at Sports and Entertainment Venues -- Sentiment and Conflict Prediction in Urban Development: Data-Driven Approach -- Advanced Last-Mile Delivery: A Review of Truck-Drone and Multi-Vehicle Fleet Systems for Sustainable Logistics -- Flexible Pooling Pattern Design with Integer Programming -- Formulations of the Currency Portfolio Optimization Problem and Sensitivity Analysis of a Currency Basket -- On the consistency and large deviations of the method of empirical means in stochastic

programming problems -- Automatic tuning of the Skewed Kruskal algorithm -- Approximating the feasible criterion set in multi-criteria optimization problems described by equations in partial derivatives -- The (In)Famous Big-M Technique for Solving Bi-level Programs -- Optimization Techniques for Twin Support Vector Machines in Primal Space -- On the calculation of similarity measures for figures by nonsmooth global optimization -- Approximating multicriteria matrix game solution with finite sets -- Optimization of an e-commerce supply chain: middle-mile and last-mile -- Unified Presentation of the Generalized Ellipsoid Method -- Non-submodular Optimization and Nonconvex Relaxation -- DR-submodular maximization and its application -- Optimization of the design and control of an optical system with structural inhomogeneities.

Sommario/riassunto

This book celebrates the remarkable contributions of Panos M. Pardalos, offering a comprehensive collection of 19 rigorously peer-reviewed articles that span the breadth of his research interests. From deterministic and stochastic global optimization to combinatorial optimization, this volume provides insights into solving modern applied problems in planning theory, support vector machines, data mining, supply chain optimization, and more. Readers will encounter a diverse array of topics, including Pareto optimality, game and equilibrium theory, vehicle routing problems, energy systems, and financial markets. Each article stands alone in its scientific, methodological, and practical individuality, making this collection a must-read for both junior university students and seasoned professionals. The contributing authors, many of whom are former students and now esteemed professors, offer unique perspectives and cutting-edge research findings. This book is an invaluable resource for researchers, academics, and practitioners in fields such as operations research, resource management, computer science, and data analysis. Whether you are taking your first steps in optimization or are an advanced professional seeking to deepen your understanding, this volume provides the tools and insights necessary to navigate the complex landscape of applied optimization problems.
