

1. Record Nr.	UNINA9910300098303321
Titolo	Numerical Analysis and Optimization : NAO-IV, Muscat, Oman, January 2017 // edited by Mehiddin Al-Baali, Lucio Grandinetti, Anton Purnama
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-90026-9
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (311 pages)
Collana	Springer Proceedings in Mathematics & Statistics, , 2194-1009 ; ; 235
Disciplina	519.4
Soggetti	Mathematical optimization Optimization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Al-Baali, M., Caliciotti, A., Fasano, G. and Roma, M: Quasi-Newton Based Preconditioning and Damped Quasi-Newton Schemes, for Nonlinear Conjugate Gradient Methods -- Bagirov, A.M., Sultanova, N., Al Nuaimat, A. and Taheri S: Solving Minimax Problems: Local Smoothing vs Global Smoothing -- Bagherpour, N. and Mahdavi-Amiri, N: Competitive Error in Variables Approach and Algorithms for Finding Positive Definite Solutions of Linear Systems of Matrix Equations -- Duff, I., Lopez, F. and Nakov, S: Sparse Direct Solution on Parallel Computers -- Gay, D. M: Revisiting Expression Representations for Nonlinear AMPL Models -- Hintermuller, M. and Strogies, N: On the Consistency of RK Methods up to Order 3 Applied to the Optimal Control of Scalar Conservation Laws -- Liao, L-Z. and Dai, Y-H: A Time Delay Neural Network Model for Unconstrained Nonconvex Optimization -- Ma, D., Judd, K., Orban, D. and Saunders, M: Stabilized Optimization via an NCL Algorithm -- Mittelman, H: Combinatorial Optimization Problems in Engineering Applications -- Pani, A. K. and Kundu, S: Optimal Error Estimates for Semidiscrete Galerkin Approximations to Multi-dimensional Sobolev Equations with Burgers' Type Nonlinearity -- Pisciella, P., Vespucci, M. T., Vigan`o, G., Rossi, M. and Moneta, D: Optimal Power Flow Analysis in Power Dispatch for Distribution Networks -- Potra, F: Equilibria and Weighted Complementarity Problems -- Roos, K: A Mathematical Approach to

This volume contains 13 selected keynote papers presented at the Fourth International Conference on Numerical Analysis and Optimization. Held every three years at Sultan Qaboos University in Muscat, Oman, this conference highlights novel and advanced applications of recent research in numerical analysis and optimization. Each peer-reviewed chapter featured in this book reports on developments in key fields, such as numerical analysis, numerical optimization, numerical linear algebra, numerical differential equations, optimal control, approximation theory, applied mathematics, derivative-free optimization methods, programming models, and challenging applications that frequently arise in statistics, econometrics, finance, physics, medicine, biology, engineering and industry. Any graduate student or researcher wishing to know the latest research in the field will be interested in this volume. This book is dedicated to the late Professors Mike JD Powell and Roger Fletcher, who were the pioneers and leading figures in the mathematics of nonlinear optimization.
