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Soggetti	Computational intelligence Computer science—Mathematics Computational Intelligence Mathematical Applications in Computer Science
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Vera Angelova, Sensitivity of the nonlinear matrix equation -- Adjoint State Optimization Algorithm for Prediction of Honeybee Population Losses -- Study of time series connected to an innovative window heat transfer system -- Coefficient Identification for SEIR Model and Economic Forecasting in the Propagation of COVID–19 -- Recovering the Time-Dependent Volatility and Interest Rate in European Options from Nonlocal Price Measurements by Adjoint Equation Optimization -- Comparison of four classification methods on small-sample-size synthetic RNA-seq data -- Sensitivity Analysis of a Large-Scale Air Pollution Model by Using Effective Stochastic Approaches -- Two-Way Intuitionistic Fuzzy Analysis of Variance for COVID-19 Cases in Europe by Season and Location Factors -- A Generic Nonlinear Evolution Equation of Magnetic Type I. Reductions.
Sommario/riassunto	This book gathers the peer-reviewed proceedings of the 15th Annual Meeting of the Bulgarian Section of the Society for Industrial and Applied Mathematics, BGSIAM'20, held in Sofia, Bulgaria. The general theme of BGSIAM'20 was industrial and applied mathematics with particular focus on mathematical physics, numerical analysis, high-

performance computing, optimization and control, mathematical biology, stochastic modeling, machine learning, digitization and imaging, advanced computing in environmental, and biomedical and engineering applications.
