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Nota di contenuto	Preface -- DEA for the Assessment of Regions Ability to Cope with Disasters (F. Aleskerov, S. Demin) -- Perishable Food Supply Chain Networks with Labor in the Covid-19 Pandemic (A. Nagurney) -- Capacitated Human Migration Networks and Subsidization (A. Nagurney, P. Daniele, G. Cappello) -- Drone Routing for Post-disaster Damage Assessment (B. Adsanver, E. Coban, B. Balcik) -- A simulation model for the Analysis of the consequences of extreme weather conditions to the traffic status of the city of Thessaloniki, Greece (G. Tsaples, J.M.S. Grau, G. Aifadopoulou, P. Tzenos) -- The Crisis Classification component to strengthen the early warning, risk assessment and decision support in extreme climate events -- (G. Antzoulatos, A. Karakostas, S. Vrochidis, I. Kompatsiaris) -- Toward Decentralized Decision Making for Interdependent Infrastructure Network Resilience (B. Cilalia, N. Ghorbani-Renania, K. Barkera, A.D. González) -- Natural disasters and their impact on business units: The Greek case (J.A. Mpekiaris, G.D. Tsiotras) -- Land Property Data Logging on Blockchain Ledger (S. Papangelou, Z.A. Charalampidis) -- A General Framework and Control Theoretic Approach for Adaptive Interactive Learning Environments (A. Streicher, R. Schonbein, S.W. Pickl) -- Disaster Preparedness at the Municipality Level: A Scenario-Based Multi-stage Measurement Methodology (M. Ghazanfari, M.

Hakimifar, T. Wakolbinger, F. Toyasaki) -- Wavelets in multiscale time series analysis: an application to seismic data? (S. Corsaro, P. L. De Angelis, U. Fiore, Z. Marino, F. Perla, M. Pietroluongo) -- Effectiveness of investments in prevention of geological disasters? (U. Fiore, Z. Marino, F. Perla, M. Pietroluongo, S. Scognamiglio, P. Zanetti) -- Universal Maximum Flow with Intermediate Storage for Evacuation Planning (U. Pyakurel, S. Dempe) -- Development of Flood Disaster Prevention Simulation Smartphone Application Using Gamification (Y. Matsuno, F. Fukanuma, S. Tsuruoka) -- Cyber Crises and Disaster Preparation in Austria: A Survey of Research Projects (B. Garn, K. Kieseberg, D. Schreiber, D.E. Simos).

Sommario/riassunto

Based on the "Fourth International Conference on Dynamics of Disasters" (Kalamata, Greece, July 2019), this volume includes contributions from experts who share their latest discoveries on natural and unnatural disasters. Authors provide overviews of the tactical points involved in disaster relief, outlines of hurdles from mitigation and preparedness to response and recovery, and uses for mathematical models to describe natural and man-made disasters. Topics covered include economics, optimization, machine learning, government, management, business, humanities, engineering, medicine, mathematics, computer science, behavioral studies, emergency services, and environmental studies will engage readers from a wide variety of fields and backgrounds.
