1.	Record Nr.	UNISA996418261603316
	Titolo	Network Algorithms, Data Mining, and Applications [[electronic resource]] : NET, Moscow, Russia, May 2018 / / edited by Ilya Bychkov, Valery A. Kalyagin, Panos M. Pardalos, Oleg Prokopyev
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
	ISBN	3-030-37157-3
	Edizione	[1st ed. 2020.]
	Descrizione fisica	1 online resource (XIII, 244 p. 65 illus., 43 illus. in color.)
	Collana	Springer Proceedings in Mathematics & Statistics, , 2194-1009 ; ; 315
	Disciplina	658.4032
	Soggetti	Mathematical optimization
		Neural networks (Computer science)
		Combinatorics
		Optimization
		Mathematical Models of Cognitive Processes and Neural Networks
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Part I: Network algorithms -- Obaid, H. B. and Trafalis, T: Fairness in Resource Allocation: Foundation and Applications -- Ignatov, D., Ivanova, P., Zamaletdinova, A. and Prokopyev, O: Searching for Maximum Quasi-Bicliques with Mixed Integer Programming -- Miasnikof, P., Pitsoulis, L., Bonner, A. J., Lawryshyn, Y. and Pardalos, P. M: Graph Clustering Via Intra-Cluster Density Maximization -- Shvydun, S.: Computational Complexity of SRIC and LRIC indices -- Sifaleras, A. and Konstantaras, I: A survey on variable neighborhood search methods for supply network inventory -- Part II: Network Data Mining -- Ananyeva, M. and Makarov, I: GSM: Inductive Learning on Dynamic Graph Embeddings -- Averchenkova, A., Akhmetzyanova, A., Sudarikov, K., Sulimov, P., Makarov I. and Zhukov, L. E: Collaborator Recommender System based on Co-authorship Network Analysis -- Demochkin, K. and Savchenko, A: User Preference Prediction in a Set of Photos based on Neural Aggregation Network -- Makrushin , S.: Network structure and scheme analysis of the Russian language segment of Wikipedia -- Meshcheryakova, N., Shvydun, S. and Aleskerov, F: Indirect Influence Assessment in the Context of Retail

Food Network -- Sokolova, A. D. and Savchenko, A. V: Facial clustering in video data using deep convolutional neural networks -- Part III: Network Applications -- Egamov, A.: The existence and uniqueness theorem for initial-boundary value problem of the same class of integro-differential PDEs -- Gradoselskaya, G., Karpov, I. and Shcheglova, T: Mapping of politically active groups on social networks of Russian regions (on the example of Karachay-Cherkessia Republic) -- Mikhailova, O., Gradoselskaya, G. and Kharlamov, A: Social Mechanisms of the Subject Area Formation. The Case of "Digital Economy -- Shcheglova, T., Gradoselskaya, G. and Karpov, I: Methodology for measuring polarization of political discourse: case of comparing oppositional and patriotic discourse in online social networks -- Zaytsev, D., Khvatsky, G., Talovsky, N. and Kuskova, V: Network Analysis Methodology of Policy Actors Identification and Power Evaluation (the case of the Unified State Exam introduction in Russia).

| Sommario/riassunto | This proceedings presents the result of the 8th International Conference in Network Analysis, held at the Higher School of Economics, Moscow, in May 2018. The conference brought together scientists, engineers, and researchers from academia, industry, and government. Contributions in this book focus on the development of network algorithms for data mining and its applications. Researchers and students in mathematics, economics, statistics, computer science, and engineering find this collection a valuable resource filled with the latest research in network analysis. Computational aspects and applications of large-scale networks in market models, neural networks, social networks, power transmission grids, maximum clique problem, telecommunication networks, and complexity graphs are included with new tools for efficient network analysis of large-scale networks. Machine learning techniques in network settings including community detection, clustering, and biclustering algorithms are presented with applications to social network analysis. |