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Titolo	Artificial Intelligence for COVID-19 // edited by Diego Oliva, Said Ali Hassan, Ali Mohamed
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ISBN	3-030-69744-4
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (585 pages)
Collana	Studies in Systems, Decision and Control, , 2198-4190 ; ; 358
Disciplina	610.285
Soggetti	Computational intelligence Biomedical engineering Medical informatics Engineering - Data processing Computational Intelligence Biomedical Engineering and Bioengineering Health Informatics Data Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Simulation of the relation between the number of COVID-19 death cases as a result of the number of handwashing facilities by using artificial intelligence -- Big data and big data analytics for COVID-19 epidemic -- Big data in COVID-19 assistance – Concepts, motivations, advances and applications in real-world -- Two Layer Hybrid Scheme of IMO and PSO for Optimization of Local Aligner: COVID-19 as a case study -- Factors affecting medical mask purchase decision in COVID-19 pandemic -- Classification approach for COVID-19 gene based on Harris hawks optimization. .
Sommario/riassunto	This book presents a compilation of the most recent implementation of artificial intelligence methods for solving different problems generated by the COVID-19. The problems addressed came from different fields and not only from medicine. The information contained in the book explores different areas of machine and deep learning, advanced image processing, computational intelligence, IoT, robotics and automation,

optimization, mathematical modeling, neural networks, information technology, big data, data processing, data mining, and likewise. Moreover, the chapters include the theory and methodologies used to provide an overview of applying these tools to the useful contribution to help to face the emerging disaster. The book is primarily intended for researchers, decision makers, practitioners, and readers interested in these subject matters. The book is useful also as rich case studies and project proposals for postgraduate courses in those specializations. .

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