1. Record Nr.   UNINA9910502670703321

Titolo	Artificial Intelligence and Soft Computing : 20th International Conference, ICAISC 2021, Virtual Event, June 21–23, 2021, Proceedings, Part II / / edited by Leszek Rutkowski, Rafa Scherer, Marcin Korytkowski, Witold Pedrycz, Ryszard Tadeusiewicz, Jacek M. Zurada
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-87897-X
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (535 pages)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 12855
Disciplina	006.3
Soggetti	Artificial intelligence
	Software engineering
	Compilers (Computer programs)
	Image processing - Digital techniques
	Computer vision
	Computer science
	Computer science - Mathematics
	Artificial Intelligence
	Software Engineering
	Compilers and Interpreters
	Computer Imaging, Vision, Pattern Recognition and Graphics
	Theory of Computation
	Mathematics of Computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Neural Networks and Their Applications -- Fuzzy Systems and Their Applications -- Evolutionary Algorithms and Their Applications -- Artificial Intelligence in Modeling and Simulation -- Computer Vision, Image and Speech Analysis -- Data Mining -- Various Problems of Artificial Intelligence -- Bioinformatics, Biometrics and Medical Applications.
Sommario/riassunto	The two-volume set LNAI 12854 and 12855 constitutes the refereed

proceedings of the 20th International Conference on Artificial Intelligence and Soft Computing, ICAISC 2021, held in Zakopane, Poland, in June 2021. Due to COVID 19, the conference was held virtually. The 89 full papers presented were carefully reviewed and selected from 195 submissions. The papers included both traditional artificial intelligence methods and soft computing techniques as well as follows: · Neural Networks and Their Applications · Fuzzy Systems and Their Applications · Evolutionary Algorithms and Their Applications · Artificial Intelligence in Modeling and Simulation · Computer Vision, Image and Speech Analysis · Data Mining · Various Problems of Artificial Intelligence · Bioinformatics, Biometrics and Medical Applications.

2.	Record Nr.	UNINA9910337850303321
	Titolo	Blockchain and Clinical Trial : Securing Patient Data / / edited by Hamid Jahankhani, Stefan Kendzierskyj, Arshad Jamal, Gregory Epiphaniou, Haider Al-Khateeb
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
	ISBN	3-030-11289-6
	Edizione	[1st ed. 2019.]
	Descrizione fisica	1 online resource (270 pages)
	Collana	Advanced Sciences and Technologies for Security Applications, , 1613-5113
	Disciplina	005.74
	Soggetti	Computer security
		Medical informatics
		System safety
		Systems and Data Security
		Privacy
		Health Informatics
		Security Science and Technology
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	Foreword -- Blockchain and Healthcare -- Digital Transformation of Healthcare -- Healthcare Patient and Clinical Research -- Information

security governance, technology, processes and people: Compliance and organisational readiness; B. Papp-Silva et al -- Cyber-Physical Attacks and the Value of Healthcare Data: Facing an Era of Cyber Extortion and Organised Crime -- The Transparency of Big Data, Data Harvesting and Digital Twins -- Blockchain for Modern Digital Forensics: The Chain-of-Custody as a Distributed Ledger -- The Standardised Digital Forensic Investigation Process Model (SDFIPM) -- Hybrid Cyber security framework for the internet of medical things -- BMAR - Blockchain for Medication Administration Records -- Recent Cyber Attacks and Vulnerabilities in Medical Devices and Healthcare Institutions.

| Sommario/riassunto | This book aims to highlight the gaps and the transparency issues in the clinical research and trials processes and how there is a lack of information flowing back to researchers and patients involved in those trials. Lack of data transparency is an underlying theme within the clinical research world and causes issues of corruption, fraud, errors and a problem of reproducibility. Blockchain can prove to be a method to ensure a much more joined up and integrated approach to data sharing and improving patient outcomes. Surveys undertaken by creditable organisations in the healthcare industry are analysed in this book that show strong support for using blockchain technology regarding strengthening data security, interoperability and a range of beneficial use cases where mostly all respondents of the surveys believe blockchain will be important for the future of the healthcare industry. Another aspect considered in the book is the coming surge of healthcare wearables using Internet of Things (IoT) and the prediction that the current capacity of centralised networks will not cope with the demands of data storage. The benefits are great for clinical research, but will add more pressure to the transparency of clinical trials and how this is managed unless a secure mechanism like, blockchain is used. . |