1.	Record Nr.	UNINA9911015868003321
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	Titolo	Proceedings of the 4th International Conference on Advances in Communication Technology and Computer Engineering (ICACTCE'24) : Transforming Industries: Harnessing the Power of Artificial Intelligence and the Internet of Things. Volume 1 / / edited by Celestine Iwendi, Zakaria Boulouard, Natalia Kryvinska
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
	ISBN	9783031946202 9783031946196
	Edizione	[1st ed. 2025.]
	Descrizione fisica	1 online resource (899 pages)
	Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 1312
	Altri autori (Persone)	BoulouardZakaria KryvinskaNatalia
	Disciplina	006.3
	Soggetti	Computational intelligence Telecommunication Artificial intelligence Computational Intelligence Communications Engineering, Networks Artificial Intelligence
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	-- 1 Design of Smart Waste Management System using IoT -- 2 Utilizing Adaptive Neuro-Fuzzy Inference Systems (ANFIS) for Intrusion Detection Systems -- 3 Securing IoT Networks with Advanced Threat Detection through Ensemble Methods -- 4 Application and Evaluation of the Secured Blockchain Framework -- 5 Analyzing Strategies for Ensuring Robust Information Security Management in a Smart City, etc.
	Sommario/riassunto	This proceedings book offers a refined and comprehensive exploration of cutting-edge advancements in communication networks, computational intelligence, and smart applications, seamlessly blending theoretical insights with practical solutions. Each paper outlines objectives, challenges, proposed solutions, and key findings, enabling swift comprehension of complex topics. By adopting a problem-solving approach and including case studies, the book

effectively demonstrates the application of advanced techniques in domains such as industry, healthcare, and smart cities. Addressing the demands of an evolving digital landscape, it highlights emerging technologies like artificial intelligence (AI), the Internet of Things (IoT), and autonomous systems, ensuring its relevance to both current challenges and future innovations. Covering a wide spectrum of topics, including network security, AI applications, IoT ecosystems, and smart technologies, the book serves as a comprehensive resource for understanding the innovations shaping the future of communication and computing. Targeted at graduate students, researchers, professors, and industry professionals, it functions as both an educational tool and a reference guide for those seeking to remain at the forefront of technological advancements. Featuring state-of-the-art research contributions, the book introduces new techniques, algorithms, and solutions to real-world challenges, complemented by structured insights into objectives, problems, and results. Practical applications are brought to life through successful case studies in key areas like smart cities and healthcare, illustrating the tangible impact of these innovations. With contributions reviewed by a distinguished editorial team of leading researchers, engineers, and academics, the book ensures credibility, academic rigor, and relevance. By blending theoretical depth, practical utility, and expert validation, this proceedings book is an indispensable resource for navigating the rapidly evolving fields of computing and communication technologies, equipping readers with the knowledge and tools to excel in an increasingly digital and interconnected world.