

1. Record Nr.	UNINA9911021153403321
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Titolo	International Conference on Smart Systems and Emerging Technologies : Edition 2024 // edited by Anis Koubaa, Adel Ben Mnaouer, Wadii Boulila, Said Raghay
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-91235-7
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (674 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 1401
Altri autori (Persone)	MnaouerAdel Ben BoulilaWadii RaghaySaid
Disciplina	006.3
Soggetti	Computational intelligence Artificial intelligence Computational Intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Enhancing Arabic Text to Gloss Machine Translation through Data Augmentation -- Arabic Image Captioning Using Transformer Based Encoder-Decoder Model -- FineTuning a Large Language Model for Dialogue Summarization -- Possibilistic distance measure of heterogeneous data Numeric and Nominal -- A SpatioTemporal OSM Knowledge Graph for Accident Prediction Based on GCN-GRU model -- An Innovative Approach to Privacy Preservation in CPABE Through GAN-Enhanced Policies for Resource Constrained Environments.
Sommario/riassunto	This book presents a groundbreaking compilation of cutting-edge research at the forefront of innovation, where artificial intelligence, machine learning, and advanced technologies converge to address real-world challenges with realistic solutions. This comprehensive book bridges theory and practice, offering transformative insights across diverse domains—from healthcare and cybersecurity to smart cities and language processing. Dive into pioneering advancements in Technology such as Arabic text-to-gloss machine translation, transformer-based image captioning, and GAN-enhanced privacy policies for constrained

environments. Learn how deep learning revolutionizes cancer detection in medical imaging, optimizes traffic flow prediction, and refines speaker diarization in forensic audio. Immerse into ethical AI discussions, UAV navigation in GPS-denied terrains, and blockchain-secured voting systems, all while uncovering novel approaches to IoT security, cloud computing, and industrial efficiency. With contributions from leading researchers and practitioners, this book addresses critical topics like AI-driven sentiment analysis for business intelligence, self-supervised graph neural networks, and ethical implications of emerging technologies. Each chapter combines rigorous technical depth with actionable applications, making it an indispensable resource for researchers, engineers, and students eager to harness AI's potential in tackling modern global challenges.
