

1. Record Nr.	UNINA9910734855803321
Titolo	Emerging Technologies for Developing Countries : 5th EAI International Conference, AFRICATEK 2022, Bloemfontein, South Africa, December 5-7, 2022, Proceedings // edited by Muthoni Masinde, Antoine Bagula
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	3-031-35883-X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (231 pages)
Collana	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, , 1867-822X ; ; 503
Disciplina	060 338.064091724
Soggetti	Computer networks Artificial intelligence Microprogramming Computer Communication Networks Artificial Intelligence Control Structures and Microprogramming
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Education in the 4IR Era -- Reinforcement Learning in Education: A Multi-Armed Bandit Approach -- Assessing Institutional Readiness for the Fourth Industrial Revolution: Using Learning Analytics to Improve Student Experiences -- M-learning during COVID-19: A Systematic Literature Review -- Opportunities for driving Efficiencies and Effectiveness -- Archiving 4.0: Dataset Generation and Facial recognition of DRC political Figures Using Machine Learning -- On the Machine Learning Models To Predict Town-scale Energy Consumption In Burkina Faso -- Application of Latent Dirichlet Allocation topic model in identifying 4IR Research Trends -- A conceptual model for the digital inclusion of SMMEs in the Informal Sector in South Africa - The use of Blockchain Technology to access loans -- Key 4IR Baseline Architectures -- Multiple Robotic Formation Control Based on Differential Flatness -- AComparison of Publish-Subscribe and Client-Server Models for Streaming IoT Telemetry data -- Fourth industrial

revolution research outputs in Africa: A bibliometric review --
Modelling DDoS Attacks in IoT Networks using Machine Learning --
Application of 4IR in Environment and Agriculture Monitoring --
Towards a microservice-based middleware for a multi-hazard early
warning system -- Indigenous Knowledge mobile-based application
that quantifies farmers' season predictions with the help of scientific
knowledge -- Weed Identification in Plant Seedlings Using
Convolutional Neural Networks.

Sommario/riassunto

This book constitutes the refereed conference proceedings of the 5th International Conference on Emerging Technologies for Developing Countries, AFRICATEK 2022, held in Bloemfontein, South Africa, in December 5-7, 2022. The 14 full papers included in this book were carefully reviewed and selected from 24 submissions. They were organized in topical sections as follows: answer set programming; Education in the 4IR Era, Opportunities for driving Efficiencies and Effectiveness, Key 4IR Baseline Architectures, Application of 4IR in Environment and Agriculture Monitoring.
