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Soggetti	Computational intelligence Cooperating objects (Computer systems) Engineering - Data processing Big data Artificial intelligence Computational Intelligence Cyber-Physical Systems Data Engineering Big Data Artificial Intelligence
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Nota di contenuto	Achieving Sustainable Development Goals Through Digital Infrastructure for Intelligent Connectivity -- Implementation of Intelligent IoT -- Cyber Security Challenges for Smart Cities -- Efficient Machine Learning Technique for Early Detection of IoT Botnets -- AI-Based Smart Robot for Restaurant Serving Applications -- A Novel Deep Learning Architecture Based IoT Time-Series for Energy Consumption Forecasting in Smart Households -- Performances of Cpv Optics in Morocco -- Artificial Intelligence Based on Particle Swarm Optimization for Optimal Wind Turbine Power Control Using Doubly Fed Induction Generator -- A Comparative Study Between Narx And Lstm Models in

Predicting Ozone Concentrations: Case of Agadir City (Morocco) -- Spatiotemporal Prediction of Pm2.5 Concentrations Based on IoT Sensors: A Case of Study in Taiwan -- Comparative Study Between Different Recommendation Systems in Smart Agriculture -- Configuration Security for Sustainable Digital Twins of Industrial Automation And Control Systems in Emerging Countries -- An Empirical Investigation on Lean Method Usage: Issues And Challenges in Afghanistan -- Optimization of the Effects Oscillation Welding: Sinusoidal and Triangular Beam During Laser Beam Welding of 5052-H32 Aluminum Alloy.

Sommario/riassunto

This book comprises a number of state-of-the-art contributions from both scientists and practitioners working in a large pool of fields where AI and IoT can open up new horizons. Artificial intelligence and Internet of Things have introduced themselves today as must-have technologies in almost every sector. Ranging from agriculture to industry and health care, the scope of applications of AI and IoT is as wide as the horizon. Nowadays, these technologies are extensively used in developed countries, but they are still at an early stage in emerging countries. AI and IoT for Sustainable Development in Emerging Countries—Challenges and Opportunities is an invaluable source to dive into the latest applications of AI and IoT and how they have been used by researchers from emerging countries to solve sustainable development-related issues by taking into consideration the specificities of their countries. This book starts by presenting how AI and IoT can tackle the challenges of sustainable development in general and then focuses on the following axes: · AI and IoT for smart environment and energy · Industry 4.0 and intelligent transportation · A vision towards an artificial intelligence of medical things · AI, social media, and big data analytics. It aspires to provide a relevant reference for students, researchers, engineers, and professionals working in these particular areas or those interested in grasping its diverse facets and exploring the latest advances on their respective fields and the role of AI and IoT in them.
