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Soggetti	Machine learning Artificial intelligence Business information services Computers, Special purpose Data mining Machine Learning Artificial Intelligence Business Information Systems Special Purpose and Application-Based Systems Data Mining and Knowledge Discovery
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	IoT Edge Computing, and Software Innovations in Energy -- Scheduling Electric Currents in Converter-Dominated Power Grids with Time Slotted Energy Packets -- Symbiosis A Web Based Decision Support Tool for Achieving Symbiosis in Industrial Parks -- A Cost Effective Edge Computing Gateway for Smart Buildings -- Leveraging Internet of Things Network Metadata for Cost Effective Automatic Smart Building Visualization -- Process to Market A Web based Evaluation Tool for Electricity Market Participation -- IoT Based Smart Air Ventilation and Energy Management System -- Big Data Analytics and Cybersecurity in Energy -- Leveraging Open Data for Energy Source Selection in Bi

Valent Industrial Processes -- Legal overview of latest developments in the Energy Sector regarding data protection and cybersecurity -- Energy Data Collection Protocol A Case Study on the ADRENALIN Project -- DataPro A Standardized Data Understanding and Processing Procedure A Case Study of an Eco-driving Project -- Detection of Municipal Heat Plan Documents Using Semantic Recognition Methods -- Digital Twin Technology and Energy Simulations -- Challenges in Transitioning from Co-Simulation to Practical Application A Case Study on Economic Emission Dispatch in a Greenhouse Compartment -- Multi Agent Based Simulation for Investigating Centralized Charging Strategies and their Impact on Electric Vehicle Home Charging Ecosystem -- Leveraging Digital Twins for Sustainable District Heating A Study on Waste Heat from Power to X Plants -- Hardware in the Loop Based Validation of Distribution System Control Applications with Grid Operators Customer and Market Participants -- Geospatial Semantic Enriched Digital Twin with Logical Reasoning Rules for Managing Control Loops -- Data Driven Digital Twin for Foundry Production Process Facilitating Best Practice Operations Investigation and Impact Analysis -- Energy data and consumer behaviors -- Automation level taxonomy for time series forecasting services Guideline for real world smart grid applications -- Enhanced Consumer Segmentation through Load Profile Analysis Using Auto encoder and K shape Cluster -- Occupants experiencing energy poverty Where are they in energy datasets and Time Use Surveys -- Extracting Daily Aggregate Load Profiles from Monthly Consumption -- Digitalization of District Heating and Cooling Systems -- Digitalization of District Heating Transforming Heat Networks for a Sustainable Future -- Fault detection in district heating substations overview of real life faults in residential heating installations -- Multi agent based modeling for investigating excess heat utilization from electrolyzer production to district heating network.

Sommario/riassunto