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| Nota di contenuto | Design and Application of Grid Management Database Based on Data Sharing Technology -- Route Tracking Model of Rock Climbing Activity Based on Probabilistic Hough Transform Algorithm -- Application of Ant Colony Optimization Algorithm in the Design of Laser Methane Telemetry System -- Low-Carbon Economic Life and Landscape Design Analysis and Research -- Fault Monitoring Technology of Electrical Automation Equipment Based on Decision Tree Algorithm -- Coal Mine Safety Risk Intelligent Control and Information Decision Analysis System -- Microbial Detection Technology Based on Intelligent Optimization Algorithm -- Artificial Intelligence Applied in Electrical Engineering Automation -- Line Loss Allocation of Distribution Network Capacity Based on Optimal Multi-objective Programming with Annealing Algorithm -- Design of Full Life-cycle Management System for Construction Project Based on "BIM+GIS" -- Cost Prediction of Municipal Road Engineering Based on Optimization of SVM Parameters by RF-WPA Hybrid Algorithm -- Three-dimensional Scene Data |

Organization and Management of Indoor Positioning Based on Virtual Technology -- Hotel Intelligent System Design Based on Machine Learning Technology -- The Application of Intelligent Meter Reading and Inspection in Substation Operation and Maintenance Management -- The Application of Visualized Monitoring of Partial Discharge in Power Equipment -- The City Information Visual Based on ArcGIS Technology.

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| Sommario/riassunto | This book provides comprehensive coverage of the latest advances and trends in information technology, science and engineering. Specifically, it addresses a number of broad themes, including multi-modal informatics, data mining, agent-based and multi-agent systems for health and education informatics, which inspire the development of intelligent information technologies. The book covers a wide range of topics such as AI applications and innovations in health and education informatics; data and knowledge management; multi-modal application management; and web/social media mining for multi-modal informatics. Outlining promising future research directions, the book is a valuable resource for students, researchers and professionals and a useful reference guide for newcomers to the field. This book is a compilation of the papers presented in the 4th International Conference on Multi-modal Information Analytics, held online, on April 23, 2022. |