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Nota di contenuto	Application of Big Data Technology in Enterprise Financial Management -- The Cultivation Research of Management Accounting Talents in Universities under the Background of Artificial Intelligence -- Volatility Modeling of S&P500 Returns: A Comparative Study of GARCH Family Models and VIX -- Research on the Control System of Intelligent Discrimination of Electricity Stealing and Omission -- Analysis of Port Efficiency and Influencing Factors Based on DEA-Tobit -- Application Status and Prospect of Artificial Intelligence Big Data in Stadium Management -- Design of Automatic Intelligent Water Saving System for Faucet -- Optimization of labor value and relationship distribution under the blockchain -- Algorithm design and function realization of home decoration design software based on BIMm -- On the Early Warning of Internet Financial Risk Based on Big Data -- Design of ceramic art design assistant teaching system based on Cloud Computing Technology -- Research on security situation analysis and

intelligent disposal technology of edge side area -- Design of horse health management system based on wireless network and simulation system.

Sommario/riassunto

This book covers cutting-edge and advanced research on data processing techniques and applications for cyber-physical systems, gathering the proceedings of the International Conference on Data Processing Techniques and Applications for Cyber-Physical Systems (DPTA 2020), held in Laibin City, Guangxi Province, China, on December 11–12, 2020. It examines a wide range of topics, including distributed processing for sensor data in CPS networks; approximate reasoning and pattern recognition for CPS networks; data platforms for efficient integration with CPS networks; machine learning algorithms for CPS networks; and data security and privacy in CPS networks. Outlining promising future research directions, the book offers a valuable resource for students, researchers, and professionals alike, while also providing a useful reference guide for newcomers to the field.