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	Nota di contenuto	Chapter1: Enterprise Systems for Networked Smart Cities -- Chapter2: Sentiment Analysis of Arabic Tweets for Road Traffic Congestion and Event Detection -- Chapter3: Automatic Detection and Validation of Smart City Events Using HPC and Apache Spark Platforms -- Chapter4: In-Memory Deep Learning Computations on GPUs for Prediction of Road Traffic Incidents using Big Data Fusion -- Chapter5: Hybrid Statistical and Machine Learning Methods for Road Traffic Prediction: A

Review and Tutorial -- Chapter6: Comparison of Decision Trees and Deep Learning for Object Classification in Autonomous Driving -- Chapter7: A Smart Disaster Management System for Future Cities using Deep Learning, GPUs, and In-Memory Computing -- Chapter8: Parallel Shortest Path Big Data Graph Computations of US Road Network using Apache Spark: Survey, Architecture, and Evaluation -- Chapter9: A Survey of Methods and Tools for Large-Scale DNA Mixture Profiling -- Chapter10: An Architecture to Improve Security of Cloud Computing in Healthcare Sectors -- Chapter11: The Role of Big Data and Twitter Data Analytics in Healthcare Supply Chain Management -- Chapter12: A Mobile Cloud Framework for Context-aware and Portable Recommender System for Smart Markets -- Chapter13: Association Rule Mining in Higher Education: A Case Study of Computer Science Students -- Chapter14: SelecWeb: A Software Tool for Automatic Selection of Web Frameworks -- Chapter15: On Performance of Commodity Single Board Computer based Clusters: A Big Data perspective -- Chapter16: Parallel Iterative Solution of Large Sparse Linear Equation Systems on the Intel MIC Architecture -- Chapter17: Performance Characteristics for Sparse Matrix Vector Multiplication on GPUs -- Chapter18: HPC-Smart Infrastructures: A Review and Outlook on Performance Analysis Methods and Tools -- Chapter19: Big Data Tools, Technologies and Applications: A Survey -- Chapter20: Big Data for Smart Infrastructures Design: Opportunities and Challenges -- Chapter21: Software Quality in the era of Big Data, IoT and Smart Cities -- Chapter22: Open Source and Open Data Licenses in the Smart Infrastructure Era: Review and License Selection Frameworks -- Chapter23: Big Data and HPC Convergence for Smart Infrastructures: A Review and Proposed Architecture -- Chapter24: Towards a Runtime Testing Framework for Dynamically Adaptable Internet of Things Networks in Smart Cities -- Chapter25: HCDSR: A Hierarchical Clustered Fault Tolerant Routing Technique for IoT based Smart Societies -- Chapter26: Security Testing of Internet of Things for Smart City Applications: a Formal Approach.

| Sommario/riassunto | This book provides a multidisciplinary view of smart infrastructure through a range of diverse introductory and advanced topics. The book features an array of subjects that include: smart cities and infrastructure, e-healthcare, emergency and disaster management, Internet of Vehicles, supply chain management, eGovernance, and high performance computing. The book is divided into five parts: Smart Transportation, Smart Healthcare, Miscellaneous Applications, Big Data and High Performance Computing, and Internet of Things (IoT). Contributions are from academics, researchers, and industry professionals around the world. Features a broad mix of topics related to smart infrastructure and smart applications, particularly high performance computing, big data, and artificial intelligence; Includes a strong emphasis on methodological aspects of infrastructure, technology and application development; Presents a substantial overview of research and development on key economic sectors including healthcare and transportation. . |