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| Disciplina | 006.3 |
| Soggetti | Special purpose computers Computer communication systems Computers Natural language processing (Computer science) Artificial intelligence Special Purpose and Application-Based Systems Computer Communication Networks Information Systems and Communication Service Natural Language Processing (NLP) Artificial Intelligence |
| Lingua di pubblicazione | Inglese |
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| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di contenuto | Superclouds : Scalable High Performance Nonstop Infrastructure for AI and Smart Societies -- Artificial Intelligence Computing for a Smart City -- Cities are Getting Smarter Than Ever Before Big Data and HPC Convergence: The Cutting Edge and Outlook -- A Framework for Faster Porting of Scientific Applications between Heterogeneous Clouds -- Efficient Execution of Smart City's Assets through a Massive Parallel Computational Model -- Power Efficiency of a SBC based Hadoop Cluster Internet of Vehicles: Integrated Services over Vehicular Ad hoc Networks -- Secure Communication Protocol Between Two Mobile Devices Over Short Distances -- A Theoretical architecture for TM |

through Software -- Defined mobile network in 5G environments E-Governance and Transportation Track -- Smart Cities and the New Urban Analytics: Opportunities and Challenges in Urban Transport -- Analysis of Tweets in Arabic Language for Detection of Road Traffic Conditions -- Automatic Event Detection in Smart Cities Using Big Data Analytics -- Location Privacy in Smart Cities Era -- Disaster Management in Smart Cities by Forecasting -- Traffic Plan using Deep Learning and GPUs -- D2TFRS: An Object Recognition method for Autonomous Vehicles based on RGB and Spatial Values of Pixels -- Enabling Reliable and Resilient IoT based Smart City Applications -- Maintaining Trust through Continuous Assessment Preserving Privacy of Smart Cities based on the Fog Computing -- Toward the Genomic-Information Society -- A Lightweight and Secure Framework for Hybrid Cloud based EHR Systems -- Big Data Enabled Healthcare Supply Chain Management: Opportunities and Challenges -- DNA Profiling Methods and Tools: A Review -- A Smart Pain Management System Using Big Data Computing -- Towards a Semantically Enriched Computational Intelligence (SECI) Framework for Smart Farming -- Towards a Mobile Cloud Framework for First Responder -- Teams in Smart Emergency Management -- The Application of Geographic Information System (GIS) on five basic indicators of Sustainable Urban Transport Performance -- Designing PID Controller based Semi-Active Suspension -- System using MATLAB Simulink -- Performance Evaluation of Jacobi Iterative Solution for Sparse Linear Equation System on Multicore and Manycore Architectures -- Parallel Sparse Matrix Vector Multiplication on Intel -- MIC: Performance Analysis -- Parallel Shortest Path Graph Computations of United States Road Network Data on Apache Spark -- A Safety IoT-Based System for a Closed Environment -- IoT-based Implementation and Mobility-driven Management of the Smart and Energy Efficient Home Appliance Ecosystem -- Land Suitability Assessment for The Potential Location of Transit Oriented Development (TOD) -- Towards a Model-Based Testing Framework for the Security of Internet of Things for Smart City Applications.

Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the First International Conference on Smart Cities, Infrastructures, Technologies and Applications, SCITA 2017, held in Jeddah, Saudi Arabia, in November 2017. The 35 revised full papers were carefully reviewed and selected from 62 submissions. The papers are grouped in topical sections: infrastructure track, e-governance and transportation track, healthcare track, applications track.
