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Soggetti	Context-aware computing
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Livello bibliografico	Monografia
Nota di contenuto	Context Aware Systems and Applications -- Formal Verification of Multi-agent Plans for Vehicle Platoon -- Contextual Defeasible Reasoning Framework for Heterogeneous System -- Abnormality Bone Detection in X-ray Images using Convolutional Neural Network -- Statistical Properties and Modelling of DDoS Attacks -- Estimating Surface Land Temperature and Emissivity in Ho Chi Minh City Using Remote Sensing Images -- A Comparison between Stack Auto-Encoder and Deep Belief Network in River Run-off Prediction -- Developing Data Model Managing Residents by Space and Time in Three-Dimensional Geographic Space -- Trigger2B: A Tool Generating Event-B Models from Database Triggers -- Predicting the level of Hypertension Using Machine Learning -- Can Blockchain Fly the Silver Fern? Exploring the opportunity in New Zealand's primary industries -- Design and Implementation of a real-time web service for monitoring soil moisture and landslide in Lai Chau province, Viet Nam -- Optimizing the operational time of IoT devices in Cloud-Fog systems -- Proposing Spatial - Temporal - Semantic Data Model Managing Genealogy and Space Evolution History of Objects in 3D Geographical Space -- Modelling Situation-aware Formalism using BDI Reasoning Agents --

Using Empathy Mapping in Design Thinking Process for Personas
Discovering -- Taiwanese Stock Market Forecasting with a Shallow Long
Short-term memory Architecture -- A Convolutional Neural Network on
X-ray Images for Pneumonia Diagnosis -- Counterbalancing
Asymmetric Information: A Process Driven Systems Thinking Approach
to Information Sharing of Decentralized Databases -- Towards Service
Co-evolution in SOA environments: A Survey -- Analysis of a HIPS
Solution Use in Power Systems -- Behavioral Analysis of SIEM Solutions
for Energy Technology Systems -- Threads Efficiency Analysis of
Selected Operating Systems -- An Architecture for Intelligent e-
Learning Platform for Student's Lab Deployment -- Improved Packet
Delivery for Wireless Sensor Networks using Local Automate based
Autonomic Network Architecture in a ZigBee Environment -- Hybrid
Domain Steganography for Embedding DES -- Encrypted QR code using
Random Bit Binary Search -- Design and testing a single passenger
eco-vehicle -- A study on methodology of improvement the hydraulic
system for cometto self-propelled trailer system.

Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the International Conferences ICCASA and ICTCC 2020, held in November 2020 in Thai Nguyen, Vietnam. The 27 revised full papers presented were carefully selected from 68 submissions. The papers of ICCASA cover a wide spectrum in the area of context-aware-systems. CAS is characterized by its self- facets such as self-organization, self-configuration, self-healing, self-optimization, self-protection used to dynamically control computing and networking functions. The papers of ICTCC cover formal methods for self-adaptive systems and discuss natural approaches and techniques for computation and communication.
