

1. Record Nr.	UNINA9910502624203321
Autore	Yang Xin-She
Titolo	Proceedings of Sixth International Congress on Information and Communication Technology : ICICT 2021, London, Volume 2
Pubbl/distr/stampa	Singapore : , : Springer Singapore Pte. Limited, , 2021 ©2022
ISBN	981-16-2380-5
Descrizione fisica	1 online resource (1002 pages)
Collana	Lecture Notes in Networks and Systems Ser. ; ; v.236
Altri autori (Persone)	SherrattSimon DeyNilanjan JoshiAmit
Soggetti	Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Contents -- Editors and Contributors -- Highly Efficient Stochastic Approaches for Computation of Multiple Integrals for European Options -- 1 Introduction -- 2 Problem Settings and Motivation -- 3 Highly Efficient Stochastic Approaches Based on Lattice Rules -- 4 Numerical Examples and Results -- 5 Conclusion -- References -- Spectrum Sensing Data Falsification Attack Reputation and Q-Out-of-M Rule Security Scheme -- 1 Introduction -- 2 Related Work -- 3 Network Model -- 4 Results and Analysis -- 5 Conclusion -- References -- Lean Manufacturing Tools for Industrial Process: A Literature Review -- 1 Introduction -- 2 Research Methodology -- 3 Literature Review -- 3.1 Lean Manufacturing -- 3.2 The Lean Manufacturing Implementation Route -- 3.3 Discussion and Analysis of Results -- 4 Conclusions -- References -- Lambda Computatrix (LC)- Towards a Computational Enhanced Understanding of Production and Management -- 1 Introduction -- 1.1 How Artificial Intelligence (AI) Can Support and Regain Human Society Values -- 1.2 Production and Management -- 1.3 Theorem Proving (TP) -- 1.4 Content and Organization of This Paper -- 1.5 Goal -- 2 Lambda Computatrix (LC) -- 3 Simulation in Production and Management Methods -- 4 Theorem Proving (TP) -- 4.1 AI-Legal -- 4.2 Logistics -- 5 TP in Production and Management, Summary, Conclusions and Outlook -- References --

Behavioral Analysis of Wireless Channel Under Small-Scale Fading -- 1  
Introduction -- 2 Small-Scale Fading Causing Factors -- 3 Wireless  
Channel Model -- 4 Results and Discussions -- 5 Conclusion --  
References -- Towards a Framework to Address Enterprise Resource  
Planning (ERP) Challenges -- 1 Introduction -- 2 Research Question  
(RQs) -- 3 Methodology -- 4 Review of IS/ERP Frameworks -- 5  
Evaluating Emphases and Challenges in the ERP Frameworks.  
5.1 Linking ERPs with IS Success Models -- 5.2 Summary of ERP  
Challenges -- 5.3 Discussion and Analysis -- 6 The Proposed  
Framework -- 7 Reasons for Incorporating Formal Methods (FMs)  
in the Proposed ERP Framework -- 8 Conclusion -- References --  
Potentials of Digital Business Models in the Construction Industry-  
Empirical Results from German Experts -- 1 Introduction -- 2  
Digitization in the Construction Industry -- 3 Background and Research  
Design -- 4 Methodology -- 5 Results -- 6 Conclusion -- References  
-- An Alternative Auction System to Generalized Second-Price for  
Real-Time Bidding Optimized Using Genetic Algorithms -- 1  
Introduction -- 2 Our Novel Advertising Exchange System -- 2.1  
Advertising Exchange System -- 2.2 Development of the Advertisement  
Exchange System -- 3 Calculating the Optimal Value of the Weights  
Using a Genetic Algorithm -- 3.1 Representation and Initial Population  
-- 3.2 Handling Constraints -- 3.3 Fitness Function -- 3.4 Genetic  
Algorithm Parameter Configuration -- 3.5 Justification for the Chosen  
Values of the Coefficients, Penalties and Rules -- 4 Experiments and  
Results -- 4.1 Preparation of the Experiments -- 4.2 Experiment I --  
4.3 Experiment II -- 5 Conclusions and Future Work -- References --  
Low-Cost Fuzzy Control for Poultry Heating Systems -- 1 Introduction  
-- 2 Case Study -- 3 Solution Proposal -- 3.1 Fuzzy Inference Based on  
Linear Programming -- 3.2 LAMP Server -- 4 Results -- 5 Conclusions  
-- References -- Towards Empowering Business Process Redesign with  
Sentiment Analysis -- 1 Introduction -- 2 Related Work -- 2.1 Business  
Process Redesign -- 2.2 Business Process Modeling -- 2.3 BPMN -- 2.4  
Data Mining, Sentiment Analysis, and Opinion Mining in Business  
Processes -- 3 BPM Lifecycle and SentiProMo Tool -- 3.1 Using  
Sentiment Analysis in BPR -- 4 Sentiment Analysis Module (SAM) -- 4.1  
Evaluation.  
5 Preliminary Results -- 6 Conclusion and Outlook -- References --  
An Integration of UTAUT and Task-Technology Fit Frameworks  
for Assessing the Acceptance of Clinical Decision Support Systems  
in the Context of a Developing Country -- 1 Introduction -- 1.1 Unified  
Theory of Acceptance and Use of Technology (UTAUT) -- 1.2 Task-  
Technology Fit (TTF) -- 2 Background -- 2.1 Theoretical Conceptual  
Framework -- 3 Methodology -- 3.1 Stage One: Initiated Requirement  
Generation of the Framework -- 3.2 Stage Two: Discovering the Factors  
of the Framework Through Perspectives -- 3.3 Stage Three: Validation  
of a New Proposed Framework -- 4 Data Analysis -- 5 Modified  
Proposed Framework -- 6 Discussion and Conclusion -- References --  
Research Trends in the Implementation of eModeration Systems:  
A Systematic Literature Review -- 1 Introduction -- 2 Systematic  
Literature Review -- 3 Results and Findings -- 4 Conclusion --  
References -- From E-Government to Digital Transformation:  
Leadership -- 1 Introduction -- 2 Background -- 2.1 Digital  
Transformation (DT) -- 2.2 Digital Maturity -- 2.3 Leadership -- 3  
Methodology -- 4 Results -- 5 Conclusions -- References --  
Application of Machine Learning Methods on IoT Parking Sensors' Data  
-- 1 Introduction -- 2 Related Work -- 3 Data of Parking Sensors -- 4  
Application of Machine Learning and Results -- 4.1 Normalization  
of Parking Sensor Data -- 4.2 XGBoost -- 4.3 Neural Networks Models

-- 4.4 Using Clustering to Improve Results -- 5 Conclusion --  
References -- A Fast Algorithm for Image Deconvolution Based on a Rank Constrained Inverse Matrix Approximation Problem -- 1  
Introduction -- 2 RCIMA Method -- 3 Fast Algorithm to Compute Pseudoinverse and Low-Rank Approximation -- 3.1 Pseudoinverse and Tensor Product Matrix -- 3.2 Low-Rank Approximation and Bilateral Random Projection -- 4 Fast-RCIMA Method.  
5 Numerical Simulation -- 5.1 Speedup and Percent Difference -- 5.2 Numerical Example for Image Deconvolution -- 6 Conclusions --  
References -- On-Body Microstrip Patch Antenna for Breast Cancer Detection -- 1 Introduction -- 2 Structure and Design Method -- 2.1 Design of Antenna -- 2.2 Equations Employed in Design of Propounded Antenna -- 2.3 Human Breast Phantom Model and Tissue Properties -- 3 Antenna Characteristics Without Cancerous Tumor -- 3.1 Reflection Coefficient or S11 Parameter -- 3.2 Far-Field Radiation Pattern -- 3.3 VSWR-Voltage Standing Wave Ratio -- 3.4 SAR-Specific Absorption Rate -- 4 Antenna Characteristics with Cancerous Tumor -- 4.1 Reflection Coefficient or S11 Parameter -- 4.2 Other Characteristics -- 5 Conclusion -- References -- Machine Learning with Meteorological Variables for the Prediction of the Electric Field in East Lima, Peru -- 1 Introduction -- 1.1 Context for the Research Study -- 2 Literature Review -- 2.1 Machine Learning -- 2.2 Regression Learner App -- 3 Materials y Methods -- 3.1 Methodology -- 4 Results -- 4.1 Results of Machine Learning Models in Predicting the Electric Field -- 4.2 Description of Solar Radiation with the Electric Field -- 4.3 Description of the UV Level with the Electric Field -- 5 Conclusions -- References -- Enhanced Honeyword Generation Method Using Advanced DNA Algorithm -- 1 Introduction -- 2 Literature Review -- 3 Background Theory -- 3.1 Enhanced Honeyword Generation -- 3.2 Enhanced DNA Algorithm -- 4 Flowchart of the Proposed System -- 5 Testing Results -- 6 Comparative Study -- 6.1 Time Complexity -- 6.2 Flatness -- 6.3 Typo Safety -- 6.4 Storage Overhead -- 7 Conclusion -- References -- A Review: How Does ICT Affect the Health and Well-Being of Teenagers in Developing Countries -- 1 Introduction -- 2 Methodology -- 2.1 Search Strategy -- 2.2 Inclusion and Exclusion Criteria.  
3 Results and Discussions -- 3.1 Adoption of ICT -- 3.2 Gender Gaps -- 3.3 Mobile Health -- 3.4 Detrimental Impacts of ICT -- 4 Conclusion and Future Works -- References -- Multi-image Crowd Counting Using Multi-column Convolutional Neural Network -- 1 Introduction -- 2 Methods -- 2.1 Pre-processing: Region of Interest (ROI) Selection -- 2.2 Pre-processing: Perspective Normalization -- 2.3 Feature Extraction: Multi-column Convolutional Neural Network (MCCNN) -- 2.4 Crowd Counting Using Modified MCNN -- 3 Experimental Setup -- 3.1 Dataset, Network Training, and Performance Criteria -- 4 Results -- 5 Conclusion -- References -- Which Features Are Helpful? The Antecedents of User Satisfaction and Net Benefits of a Learning Management System (LMS) -- 1 Introduction -- 2 Methodology -- 3 Results and Discussion -- 4 Limitations and Recommendations -- References -- Performance Analysis of a Neuro-Fuzzy Algorithm in Human-Centered and Non-invasive BCI -- 1 Introduction -- 2 Theories Involved -- 2.1 Butterworth Band-Pass Filters -- 2.2 Adaptive Neuro-Fuzzy Inference System (ANFIS) -- 3 Materials and Methods -- 3.1 Generation of EEG Raw Signals -- 3.2 Retrieving and Transferring of Generated EEG Data -- 3.3 Pre-processing of Data and Feeding to Algorithm -- 4 Results and Discussion -- 4.1 Simulation Results for First EEG Dataset -- 4.2 Simulation Results for Second EEG Dataset -- 5 Conclusion and Recommendation -- References -- A Workflow-Based Support for the Automatic Creation and Selection of Energy-

Efficient Task-Schedules on DVFS Processors -- 1 Introduction -- 2  
Energy-Efficient Task Scheduling -- 2.1 Scheduling Problem for  
Independent Tasks -- 2.2 Bucket-Based Scheduling and Execution --  
2.3 Frequency Scaling for Energy Efficiency -- 3 Schedule Creation and  
Evaluation Framework -- 3.1 Workflow to Determine a Schedule -- 3.2  
Framework Implementation.  
4 Experimental Evaluation.

---