

Volume 2

Modeling the Natural Capital Investment on Tourism Industry Using a Predator-Prey Model	751
<i>Zhonghua Cai, Qing Wang, Guangqing Liu</i>	
Study on Tracking Derivative Based Method for DC System Grounding Fault Detection	757
<i>Wang Peng, Li Huashun, Wang Ning, Qu Linkui, Yu Yin</i>	
Towards a VLIW Architecture for the 32-Bit Digital Signal Processor Core	763
<i>Khoi-Nguyen Le-Huu, Thanh T. Vu, Diem N. Ho, Anh-Vu Dinh-Duc</i>	
Application and Effectiveness of Cooperative Teaching Strategies in Entrepreneurship Education	769
<i>Chien-Hua Shen, Chun-Mei Chou, Hsi-Chi Hsiao</i>	
Isarn Dharma Alphabets to Thai Language Translation by ATNs	775
<i>Phoemporn Lakkhawannakun, Pusadee Seresangtakul</i>	
Simulation and Analysis of Space Station Redocking	783
<i>Rui Chen, Shengjing Tang, Guojiang Sun</i>	
Campus Mobile Navigation System Based on Shortest-Path Algorithm and Users Collaborations	791
<i>Shir Ni Ler, Wan Mohd Nazmee Wan Zainon</i>	
Tracking Multiple Fish in a Single Tank Using an Improved Particle Filter	799
<i>Wong Poh Lee, Mohd Azam Osman, Abdullah Zawawi Talib, Jean-Marc Ogier, Khairun Yahya</i>	

Efficient 3D Model Visualization System of Design Drawing Based on Mobile Augmented Reality	805
<i>Yeon-Jae Oh, Eung-Kon Kim</i>	
A New Co-evolutionary Immune Algorithm for Flow Shop with Zero Wait	811
<i>Zhenhao Xu, Shun Zhang, Xingsheng Gu</i>	
Design and Implementation of Safety Verification for Civil Aviation Processing System Based on BPMN	819
<i>Lisong Wang, Qian Zhang</i>	
A Survey on Ontology Mapping Techniques	829
<i>Yew Kwang Hooi, M. Fadzil Hassan, Azmi M. Shariff</i>	
The Parametric Design and Automatic Assembly of Hydrostatic Rotary Table Based on Pro/Engineer	837
<i>Qiang Cheng, Can Wu, Zhifeng Liu, Jianhua Wang, Peihua Gu</i>	
Modeling and Simulation of China's Competition Strategy for Highly Educated Talents Based on System Dynamic.....	843
<i>Wen Guo, Feng Dai</i>	
Kernelized-QEMU: A Study of System-Level Virtual Layer in Linux Kernel	853
<i>Yongxuan Xu, Xianglan Chen, Hua-Ping Chen, Huang Wang</i>	
A Multi-pattern Matching Algorithm Based on Double Array Trie	863
<i>Miao Hou, YingHui Song, Dongliang Xu, Hongli Zhang</i>	
Lower Bound Estimation for Required Number of Nodes in the Opportunistic Communication – Based Wireless Sensor Network	869
<i>Yubo Deng, Shizhong Wu, Shoupeng Li, Yongping Xiong, Tao Zhang</i>	
Potential Attacks against k-Anonymity on LBS and Solutions for Defending the Attacks	877
<i>Pan Juncheng, Deng Huimin, Song Yinghui, Li Dong</i>	
To Practice Management Innovation and Reinforce the Foundation of Intellectual Property Strategy~.....	885
<i>Wen-Liang Sun, Yong-Fei Ma, Li-Wen Chen, Shang Yu</i>	
Research of Intranet Security Audit in E-government Management Website Group Based on Multi-agents	893
<i>Han Bing, Wang Bo</i>	

Simulation of Three-Phase Voltage-Source PWM Rectifier with LCL Filter 901
Liu Hui, Xu Chao, Chen Chen, Wu Yibing

The Research on the Computer Control Technology of Tobacco Production 911
Li Zhekun, Song Yanhong, Zou Yusheng, Wu Mingyi, Liu Geyi

A Study on the Application of Financial Engineering in Supply Chain Risk Management 919
Hao Jianhua, Sun Wenliang, Chen Liwen, Yang Zhanchang

Logical Symmetry Based K-means Algorithm with Self-adaptive Distance Metric..... 929
Wu Zu-Feng, Mu Xiao-Fan, Liu Qiao, Qin Zhi-guang

Modeling and Simulation of Network-Based C2 System Based on AOA 937
Bei Huo, Xin-rong Yang

Application Study of Spatiotemporal Chaotic Sequence in Code Division Multiple Access Communication System 943
Li Nan, Tang Quan-bin

OPRF Secure Computation for Safety Neighbor Verification Protocols of Wireless Sensor Networks 951
Mei Meng, Xu Zhongwei, Zhu Yujun

Texture Terrain Based on Land Cover Distribution 957
Du Jinlian, Xing Lifei, Wang Song

Text Mining for Information Screen in Risk Assessment of Environmental Endocrine Disruptive Chemicals 967
Yong Chen, Yu Wang, Xiaolian Duan, Huatang Zhang, Yuyue Jia

The Choices of Issued Inventory Valuation Methods Based on Different Accounting Standards at Home and Abroad 973
Gu Shusheng

Formal Constraints Research of Military Conceptual Model Elements 981
Ding Xiao-Jian, Xie Bin

Leaf Lesion Detection Method Using Artificial Bee Colony Algorithm 989
Faudziah Ahmad, Ahmad Airuddin

The Accurate Positioning Method of Data Matrix Code Image Marked in Cylinder Glass	997
<i>Wei-ping He, Gai-fang Guo, Wei Wang, Xi-zheng Cao</i>	
Analysis of Urban Traffic Based on Taxi GPS Data	1007
<i>Li Meng, Li Ru-tong, Xia Yong, Qin Zhi-guang</i>	
Research and Application of Embedded System Development Based on Petri Nets	1017
<i>Chen Yu</i>	
CloStor: A Cloud Storage System for Fast Large-Scale Data I/O	1023
<i>Wang Ying, Yang Dongri, Liu Peng</i>	
Nonnegative Variable Weight Based Auto Parts Combination Demand Forecasting Model Research	1031
<i>Jian Gong, Chun Lu, Xin Liu</i>	
A Data-Hiding Method Based on TCP/IP Checksum	1039
<i>Zhen Liu, Yuyu Jiang, Ping Qian</i>	
A Parallel Full-System Emulator for Risc Architure Host	1045
<i>Xiao-Wu Jiang, Xiang-Lan Chen, Huang Wang, Hua-Ping Chen</i>	
Density Based Active Self-training for Cross-Lingual Sentiment Classification	1053
<i>Mohammad Sadegh Hajmohammadi, Roliana Ibrahim, Ali Selamat</i>	
Constructing 3D Model Based on Panoramic Images	1061
<i>Jia Li, Yehua Sheng, Ping Duan, Siyang Zhang, Haiyang Lv</i>	
QoE Evaluation Model of Anti-Spam Allergy Problem Based on Fuzzy Entropy Method and Hidden Markov Model	1067
<i>Haizhuo Lin, Jilong Wang</i>	
Topic Identification Strategy for English Academic Resources...	1073
<i>Huang Li, Hu Qing, Xiong Xin, Hua Lijun</i>	
Performance Comparison between MLP Neural Network and Exponential Curve Fitting on Airwaves Data	1079
<i>Muhammad Abdulkarim, Afza Shafie, Wan Fatimah Wan Ahmad, Radzuan Razali</i>	
A Private Cloud Storage System Based on Multithread Optimization	1089
<i>Zhang Wei, Xu Tao, Li Kun</i>	

Cloud Storage-Based Medical Data Integration Technology	1097
<i>HongJun Zhan, Wei Zhang</i>	
The Operation and Maintenance Management System of the Cloud Computing Data Center Based on ITIL	1103
<i>HongJun Zhan, Wei Zhang</i>	
Underwater Object Detection by Combining the Spectral Residual and Three-Frame Algorithm	1109
<i>Zhe Chen, Huibin Wang, Jie Shen, Xin Dong</i>	
The Data Mining of Breast Cancer Based-on K-Means	1115
<i>Zhang Ruilan, Feng Zhixin</i>	
Compositional Modeling for Underwater Warfare Simulation Based on HLA and Flames	1121
<i>Hongtao Liang, Fengju Kang, Yanyang Zeng</i>	
Spot Electricity Price Dynamics of Indian Electricity Market . . .	1129
<i>G.P. Girish, S. Vijayalakshmi</i>	
Guaranteed QoS for UDP and TCP Flows to Measure Throughput in VANETs	1137
<i>Abubakar Aminu Mu'azu, Low Tang Jung, Halabi Hasbullah, Ibrahim A. Lawal, Peer Azmat Shah</i>	
Detecting People Using Histogram of Oriented Gradients: A Step towards Abnormal Human Activity Detection	1145
<i>Abdul-Lateef Yussiff, Suet-Peng Yong, Baharum B. Baharudin</i>	
Research of Touchscreen Terminals Gesture Operation Error Based on Kansei Engineering	1151
<i>Rong Qin, Dongxiang Chen</i>	
Heart Sound Feature Extraction Based on Wavelet Singular Entropy	1159
<i>Zhang Lu</i>	
Research on MTMP Structure Chlorine Dosing Decoupling Control	1165
<i>Xie Peizhang, Zhou Xingpeng</i>	
Development of Ontology for the Diseases of Spine	1171
<i>Geun-Hye Kim, Min-Jeoung Kang, Chai Young Jung, Joon-Yong Jung, Seung Eun Jung, Jin-Sung Kim, Ji-Seong Jeong, Do-Hyeong Kim, Kwan-Hee Yoo, Dongmin Seo, Seungwoo Lee, Seungbock Lee, Sangho Lee, Sukil Kim</i>	

Implementation of Information Retrieval Service for Korean Spine Database with Degenerative Spinal Disease	1179
<i>Dongmin Seo, Seungwoo Lee, Seungbock Lee, Sangho Lee, Hanmin Jung, Won-Kyung Sung</i>	
Automatic Surface Mesh Intersection Algorithm of Spine and Implant FEM Models	1185
<i>Dukyun Nam, Ikhwang Choi, Younho Kim, Wanho Jeon, Kum Won Cho</i>	
Simulation Program Binding Technology Based on Supercomputing	1195
<i>Sun-Rae Park, DuSeok Jin, Kyu-Chul Lee, Kum Won Cho</i>	
Data Security in Cloud for Health Care Applications	1201
<i>R. Anitha, Saswati Mukherjee</i>	
Web Service Selection Using Decision Tree Analysis in a Risky Environment	1211
<i>P. Sandhya, M. Lakshmi</i>	
An Enhanced e-Voting System in Cloud Using Fingerprint Authentication	1219
<i>Gandhi Usha Devi, Kannan Anusha, G.V. Rajyalakshmi</i>	
Local Minima Jump PSO for Workflow Scheduling in Cloud Computing Environments	1225
<i>S. Chitra, B. Madhusudhanan, G.R. Sakthidharan, P. Saravanan</i>	
Respiratory Rate Estimation by Extracted PPG Signals from Embedded Smart Attire of Operation Strategists	1235
<i>Kathir Deivanai</i>	
The Assessment of Information and Communication Technology (ICT) Policy in South Korea	1241
<i>Young-Hyun Yeo, Sung-Ki Kim, Ji-Hye Bae, Byung-Gyu Kim</i>	
Computer Graphical Score and Music Education: Application to Music Animation Machine MIDI Player	1251
<i>Soon-Hak Hwang, Se-Hak Chun</i>	
A Newton's Universal Gravitation Inspired Firefly Algorithm for Document Clustering	1259
<i>Athraa Jasim Mohammed, Yuhanis Yusof, Husniza Husni</i>	
A Study on the Correlation between the Customers' Perceived Risks and Online Shopping Tendencies	1265
<i>Chiung En Huang, Ping Kuo Chen, Chih Chung Chen</i>	

Model Checking Probabilistic Timed Systems against Timed Automata Specification 1273
Junhua Zhang

Particle Filter Parallel of Improved Algorithm Based on OpenMp 1279
Yang Zhang

An E-commerce-System-Based Research on Trust Risk Assessment Models 1287
Mei Ting, Zhang Yi, Dai Qun

An Analysis about the Security of the Operating System Trusted Platform 1295
Zhang Yi

Technology Venture Startup Invigoration Strategy for Building Infrastructures for the Business Startup Ecosystem ... 1303
Hye-Sun Kim, Yunho Lee, Hyoung-Ro Kim

Smart-Contents Visualization of Vehicle Big Data Using Vehicle Navigation Status Information 1311
Hae-Jong Joo, Suck-Joo Hong, Dong-Su Park

A Model for Analyzing the Effectiveness of Smart Mobile Communication Quality Measurement 1317
Bong-Hwa Hong, Hae-Jong Joo, Sang-Soo Kim

Characteristics Analysis and Library Development for Common Lamps by Using PSPICE Modeling 1325
Young-Choon Kim, Moon-Taek Cho, Ho-Bin Song, Ok-Hwan Kim

A Study on Brake Torque for Traction Motors by Using the Electric Brake 1331
Young-Choon Kim, Moon-Taek Cho, Ho-Bin Song

FOLI Technique Algorithm for Real-Time Efficient Image Processing 1337
Seongsoo Cho, Kwang Chul Son, Jongsup Lee, Seung Hyun Lee

Stabilization Inverse Optimal Control of Nonlinear Systems with Structural Uncertainty 1343
Jong-Yong Lee, Seongsoo Cho

Implementation of Wireless Electronic Acupuncture System 1349
You-Sik Hong, Bong-Hwa Hong, Baek-Ki Kim

Network Based Intelligent Agent for Ubiquitous Environments	1357
<i>Dong W. Kim, Ho-Dong Lee, Sung-Wook Park, Jong-Wook Park</i>	
A Study on the Clustering Scheme for Node Mobility in Mobile Ad-hoc Network	1365
<i>Hyun-Jong Cha, Jin-Mook Kim, Hwnag-Bin Ryou</i>	
Design of User Access Authentication and Authorization System for VoIP Service	1371
<i>Ho-Kyung Yang, Jin-Mook Kim, Hwang-Bin Ryou</i>	
Approach of Secure Authentication System for Hybrid Cloud Service	1377
<i>Jin-Mook Kim, Jeong-Kyung Moon</i>	
Intelligent Inference System for Smart Electronic Acupuncture	1385
<i>You-Sik Hong, Chang-Hoon Choi, Baek-Ki Kim</i>	
Electric Braking Control System to Secure Braking Force in the Wide Speed Range of Traction Motor	1393
<i>Young-Choon Kim, Moon-Taek Cho, Ok-Hwan Kim</i>	
Optimized Design of Charger for Electric Vehicles with Enabled Efficient CCCV Mode Movement	1399
<i>Ji-Yong Chun, Young-Choon Kim, Moon-Taek Cho</i>	
A Virtual Cluster Scheme Technology for Efficient Wireless Sensor Networks	1405
<i>Seongsoo Cho, Bhanu Shrestha, Young-gi Kim, Bong-Hwa Hong</i>	
An Intelligent e-Services Composition Platform for Ubiquitous Baby Care: The Case Study of Life and Commercial Support Services for Property Management	1411
<i>Chih-Kun Ke, Yi-Jen Yeh, Chiao-Min Chang</i>	
An Authoring System of Creating Graphic Map for Item Search Based on Library OPACs	1417
<i>Hsuan-Pu Chang, Wei-Ting Chang, Shi-Pin Fong</i>	
Cloud-Based Traveling Video Editing System	1423
<i>Joseph C. Tsai, Neil Y. Yen</i>	
Linked Data-Based Service Publication for Service Clustering	1429
<i>Incheon Paik, Wuhui Chen, Banage T.G.S. Kumara, Takazumi Tanaka, Zhenni Li, Yuichi Yaguchi</i>	

The Practical Quality Model for Cloud Learning System..... 1437
Anna Kang, Leonard Barolli, HwaYoung Jeong, JongHyuk Park, Hae-Gill Choi

Realizing the Right to Be Forgotten in an SNS Environment ... 1443
Cheol Ho Sin, Nam A. Kim, Byeong Woo Go, Kim Seong Min, Jae Dong Lee, Jong Hyuk Park

Author Index..... 1451