

# Detailed Program of the Conference of CIS 2011

**Saturday, 3<sup>th</sup> December**

**9:00 am - 9:30 am: Opening Ceremony ( Room C )**

**9:30 am - 10:30 am: Keynote Speaker ( Room C )**

Prof. Patrick S.P. Wang - Modeling and Simulation in HC Interactive Learning Environment

**10:30 am - 11:30 am: Keynote Speaker ( Room C )**

Yaochu Jin - Morphogenetic Self-Organization of Swarm Robotic Systems for Robust Boundary Coverage and Target Tracking

**Sat - Pm - A1 (RoomA): (14:00pm - 16:00pm)**

**Information Security**

**Session Chair: Prof. Shen Yulong**

1. Souleymane Balla-arabe, Bin Wang, Xinbo Gao - Level Set Region Based Image Segmentation Using Lattice Boltzmann Method (CI11300126)
2. Ben Niu, Hui Li, Xiaoyan Zhu, Chao Lv - Security Analysis of Some Recent Authentication Protocols for RFID (IS11640015)
3. Kai Zhu, Huaguang Song, Jinzhu Gao, Guojian Cheng - Application of Evolutionary Neural Networks for Well-logging Recognition in Petroleum Reservoir (CI11310028)
4. Yahui Li, Wensheng Niu, Yadi Zhang, Jianfeng Ma, Yulong Shen - Key Management Protocol Based on Finely Granular Multi-level Security Method in Wireless Networks (CI11310030)
5. Shen Yulong, Xi Ning, Pei Qingqi, Ma Jianfeng, Xu Qijian, Wu Zuoshun - Distributed Storage Schemes for Controlling Data Availability in Wireless Sensor Networks (AP11920009)
6. Xinhong Hei, Lining Chang, Weigang Ma, Guo Xie - A Safety Framework and Alarming Model for Train Operation Environment Based on CPS (CI11310025)
7. Li Fenghua, Yu Yinyan, Li Dongdong, Zhang Jinghui - Research on Access Control Mechanism for Digital Products Trading (CI11310020)
8. Salvatore Distefano, Antonio Puliafito - Achieving Distributed System Information Security (IS11590031)

## **Sat - Pm - A2 (Room A): (16:15 pm—18:15 pm)**

### **Learning Algorithms**

#### **Session Chair: Prof. Jin Peng**

1. Yuxiang Jia, Hongying Zan, Ming Fan - Inducing Chinese Selectional Preference Based on HowNet (CII1310048)
2. Peng Jin, John Carroll, Yunfang Wu, Diana McCarthy - Improved Word Similarity Computation for Chinese Using Sub-word Information (CII1310042)
3. Junfeng Chen, Tiejun Wu - A Cloud Model Based Computational Intelligence Algorithm for Parameter Identification of Chaotic Systems (CII1310009)
4. Lai Nian, Zheng Jinhua - Hybrid Genetic Algorithm for TSP (CII1230090)
5. Guihua Wen, Lijun Jiang - Relative Local Mean Classifier with Optimized Decision Rule (CII1090050)
6. Bing Guo, Yan Shen, Xiaobin Liu, Qi Li, Jihe Wang, Yuansheng Wu - An Embedded Software Fusion Power Model Based on Algorithm and Micro-architectural Level (CII1330029)
7. Enrique Agudo, Colin Fyfe - Reinforcement Learning for the N-Persons Iterated Prisoners' Dilemma (CII1140033)

## **Sat - Pm - B1 (RoomB): (14:00pm - 16:00pm)**

### **Data Mining and Neural Systems**

#### **Session Chair: Prof. Zhang Quanju**

1. Xing Wang - Analysis on Cloud Computing based Logistics Information (CII1020031)
2. Wei Li, Jibiao Liao - An Empirical Study on Credit Scoring Model for Credit Card by Using Data Mining Technology (CII1020026)
3. Yajuan Yang, Lian Ren - Multi-Agents Model Analysis for the Evolution of Industrial Clusters (CII1020034)
4. Quanju Zhang - Artificial Neural System Method for Solving Nonlinear Programming with Linear Equality Constraints (CII1020035)
5. Hong Zhang, Sheng Zhong - Co-op Advertising Analysis Within a Supply Chain Based on the Product Life Cycle (CII1020030)
6. Chongnan He - Finite Volume Methods for the Second Order Singular Perturbation Problems (CII1310064)
7. Wang Qi, Liu Xin - ping - A Real Time Multi-Scale Correlation Analysis Method and Its Application on The Data Mining in Thermodynamic Process (CII1040199)
8. Weidong Zhao, Xi Liu, Anhua Wang - Simplified Business Process Model Mining Based on Structuredness Metric (CII1080075)

## **Sat - Pm - B2 (Room B): (16:15 pm—18:15 pm)**

## **Intelligent Systems and Pattern Recognition**

### **Session Chair: Prof. Yang Bo**

1. Li Xiaoya, Yu Songsen - An Optimal Architecture of Middle Agents in Multi-Agent Systems (CI1100095)
2. Chunsheng Li, Kan Li - A Practical Framework for Agent-based Hybrid Intelligent Systems (CI1100089)
3. Lingyan Sun, Shizhan Chen, Qixuan Liang, Zhiyong Feng - A QoS-based Self-adaptive Framework for OpenAPI (CI11020025)
4. Se-Hang Cheong, Kai-Ip Lee, Yain-Whar Si, Leong Hou U - Lifeline: Emergency Ad hoc Network (CI11220045)
5. Qian Yin, Ruiyi Luo, Ping Guo - Software Fault Prediction Framework Based on AiNet Algorithm (CI11010129)
6. Junlin Hu, Ping Guo - Multi-Level Kernel Machine for Scene Image Classification (CI11070157)
7. Bingxin Xu, Ping Guo - Sparse Representation for Multi-Label Image Annotation (CI11070164)
8. Tanchao Zhu, Weiming Wang, Ping Liu, Yongming Xie - Saliency-based Adaptive Scaling for Image Retargeting (CI11070180)

### **Sat - Pm - C1 (Room C): (14:00pm - 16:00pm)**

## **Neural Networks and Neural Systems**

### **Session Chair: Prof. Gao Xingbao**

1. Yi Zhao, Jianwen Feng, Jingyi Wang - On Cluster Synchronization for Linearly Coupled Complex Networks (CI11310060)
2. Xuefei Wu, Chen Xu - Global Synchronization of Hybrid Coupled Neural Networks with Mixed Time-varying Delay Coupling (CI11310059)
3. Jiqiang Feng, Chen Xu, Weixin Xie - Monitoring the PSO Process Based on Fuzzy Random Variables (CI11310051)
4. Yingchun Fu, Xiantie Zeng, Xueyu Lu - Spatial Prediction of Dissolved Organic Carbon Using GIS and ANN Modeling in River Networks (CI11110083)
5. Xingbao Gao, Jing Wang - A Neural Network for a Class of Horizontal Linear Complementarity Problems (CI11020039)
6. Tzai Der Wang, Xiaochuan Wu, Colin Fyfe - Minimal Echo State Networks for Visualisation (CI11190056)
7. Shuo Wang, Kaiying Xu, Yong Zhang, Fei Li - Search Engine Optimization Based on Algorithm of BP Neural Nnetworks (CI11190057)

**Sat - Pm - C2 (Room C): (16:15 pm—18:15 pm)**

**Information Security**

**Session Chair: Prof. Ming Zhengfeng**

1. Jianhui Yang, Yuan Wang - A Fuzzy Portfolio Model Considering Transaction Costs (AP11940452)
2. Jianhui Yang, Peng Lin - Dynamic Risk Measurement of Futures Based on Wavelet Theory (AP11940453)
3. Peng Lin, Jianhui Yang - Research on Characteristics of Plates on Chinese Stock Market (AP11940454)
4. Yun Niu, Liji Wu, Li Wang, Xiangmin Zhang, Jun Xu - A Configurable IPSec Processor for High Performance In - Line Security Network Processor (IS11620121)
5. Jiongcheng Li, Henghui Xiao, Xibin Lin, Yanbo Zhao - An Efficient Closed-form Solution of Synchronization and Channel Estimation in UWB (IS11610029)
6. Shen Yafen, Chen Jiayi, Yuan Jing, Huang Ning - Reliability Analysis of System-in-the-Loop Network Platform Based on Delays (IS11620114)
7. Jianhua Che, Tao Zhang, Weimin Lin, Houwei Xi - A Markov Chain-based Availability Model of Virtual Cluster Nodes (IS11450037)
8. Jie Ling, Ju Liu, Jiande Sun, Jianping Qiao, Feng Wang, Feng Feng - Information Hiding Algorithm Based on Stentiford Visual Attention Model (IS11460073)

## Sunday, 4<sup>th</sup> December

**Sun - Am - A1 (Room A): ( 8:30 am - 10:30 am)**

### Intelligent Computation

**Session Chair: Prof. Niu Ben**

1. Feng Chen, Xinxin Sun, Dali Wei - Inertia Weight Particle Swarm Optimization with Boltzmann Exploration (CI11120114)
2. Ben Niu, Hong Wang, Lijing Tan, Li Li - Improved BFO with Adaptive Chemotaxis Step for Global Optimization (CI11170060)
3. Li Huirong, Gao Yuelin, Li Chao, Zhao Pengjun - Improved Differential Evolution Algorithm with Adaptive Mutation and Control Parameters (CI11170061)
4. Zhendong Liu, Zhijun Zhang, Zaixue Liu, Daming Zhu - New Heuristic Algorithm of RNA Secondary Structure Prediction with Pseudoknots (CI11030022)
5. Liping Jia, Yuping Wang, Lei Fan - Uniform Design Based Hybrid Genetic Algorithm for Multiobjective Bilevel Convex Programming (CI11020041)
6. Xiaoli Wang, Yuping Wang - Energy-efficient Multi-task Scheduling Based on MapReduce for Cloud Computing (CI11020043)
7. Jiafei Li, Jihong Ouyang, Mingyong Feng - A Heuristic Genetic Process Mining Algorithm (CI11310039)
8. Weiqi Chen, Zhifeng Hao, Hailin Liu - The 0/1 Multi-objective Knapsack Problem Based on Regional Search (CI11310070)

**Sun - Am - A2 (Room A): ( 10:45 am - 12:15 am)**

### Pattern Recognition

**Session Chair: Prof. Qiguang Miao**

1. Tae Rim Lee, Bon Min Goo, Hun Kim, Sang Uk Shin - Efficient e-Discovery Process Utilizing Combination Method of Machine Learning Algorithms (AP11900093)
2. Qiguang Miao, Pengfei Xu, Weisheng Li, Hai Zhu - A General Edge Detection Method Based on the Shear Transform (AP11940459)
3. Zheng - chun Sun, Jian Cheng - Face Recognition with Statistical Local Line Binary Pattern (CI11300132)
4. Guolong Gan, Jian Cheng - Pedestrian Detection Based on HOG-LBP Feature (CI11300136)
5. Yu Li, Zhou Xue - Fast Iris Boundary Location Based on Window Mapping Method (CI11300141)
6. Wenyao Zhang, Manrui Zhang, Bo Sun - Multiresolution Streamline Placement for 2D Flow Fields (CI11070165)

## **Sun - Am - B1 (Room B): ( 8:30 am - 10:30 am)**

### **Cryptography and Authentication**

#### **Session Chair: Prof. Wang Ruliang**

1. Changji Wang, Jiasen Huang - Attribute-based Signcryption with Ciphertext - policy and Claim - predicate Mechanism (IS11430127)
2. Jingfeng Li, Weifeng Guo, Laishun Zhang, Yunpeng Li - Cryptanalysis and Improvement of Verifier-based Key Agreement Protocol in Cross-Realm Setting (IS11430124)
3. Xinshan Zhu, Shuoling Peng - Novel Quantization Watermarking Based on Random Angle Modulation (IS11530061)
4. Zhang Qun, Yingmin Wang - Obtaining the Resonant Frequency of the Bubble in the Ship Wake by ANSYS (AP11800015)
5. Thomas Studer - An Application of Justification Logic to Protocol Verification (IS11540068)
6. Baojing Cui, Ce Bian, Tao Guo, Yongle Hao, Jianxin Wang - Synthesis Algorithm of Homologous Detection Based on Analytic Hierarchy Process (AP11850012)
7. Vrizlynn L. L. Thing, Tong-Wei Chua, Ming-Lee Cheong-Design of a Digital Forensics Evidence Reconstruction System for Complex and Obscure Fragmented File Carving (IS11550043)
8. Yuxin Meng, Lam-for Kwok - A Generic Scheme for the Construction of Contextual Signatures with Hash Function in Intrusion Detection (IS11470071)
9. Jozsef Hegedus, Yoan Miche, Alexander Ilin, Amaury Lendasse - Methodology for Behavioral-based Malware Analysis and Detection Using Random Projections and K-Nearest Neighbors Classifiers (AP11710118)

## **Sun - Am - B2 (Room B): ( 10:45 am - 12:15 am)**

### **Security Methodologies**

#### **Session Chair: Prof. Deng Guang**

1. Min Jiang, Zhiqing Meng, Xinsheng Xu, Rui Shen, Gengui Zhou - Multiobjective Interaction Programming for Two-Persons ( AP11940370)
2. Yang Yu-xiang, Zhou Gen-gui - Closed-loop Supply Chain Network Horizontal Integration Problem (AP11940373)
3. Kun Gu, Liji Wu, Xiangyu Li, Xiangmin Zhang - Design and Implementation of an Electromagnetic Analysis System for Smart Cards (IS11640022)
4. Shuxin Liu, Jianhua Peng, Caixia Liu - Analysis of Wireless Mesh Network Security Based on Node Function (IS11640016)
5. Guang Deng, Zengyuan Li - The Study of Improved Marker-Controlled Watershed Crown Segmentation Algorithm (AP11940408)
6. Zou Su, Li Chuanri, Xu Fei, Qiao Liang - Correlation Factor Analysis of FEA Model Simplification Methods of Printed Circuit Board (AP11940426)

7. Yiu-ming Cheung, Junping Deng - Off-line Text-independent Writer Identification Using a Mixture of Global and Local Features (AP11940466)

## **Sun - Am - C1 (Room C): ( 8:30 am - 10:30 am)**

### **Post Session 1: Intelligent Systems**

#### **Session Chair: Prof. Chen Huandong**

1. Kai Peng, Jing Xu, Wei Liu, Jian Wu - Resource Optimization for Uncertain Traffic Demand in Multi-radio Multi-channel Wireless Networks (CI11020038)
2. Dong Yun-yuan, Yang Jun, Liu Qi-jun, Wang Yong-xian, Wang Zheng-hua - Exploring Centrality-Lethality Rule from Evolution Constraint on Essential Hub and Nonessential Hub in Yeast Protein-Protein Interaction Network (CI11030019)
3. Wu Shulei, Chen Huandong, Li Dachao - Phylogenetic Tree of DNA Sequences Constructed by A New Method-H Curve (CI11030023)
4. Ling Yun, Qiu-yan Cao, Hua Zhang - Application of the PSO-SVM Model for Credit Scoring (CI11170056)
5. Sun Chengmin, Liu Dayou - The Overview of Feature Selection Algorithms Based Swarm Intelligence and Rough Set (CI11310041)
6. He Deng-xu, Zhu Hua-zheng, Liu Gui-qing - Glowworm Swarm Optimization Algorithm for Solving Multi-constrained QoS Multicast Routing Problem (CI11310063)
7. Wenyi Zeng, Shuang Feng - An Improvement of Comprehensive Evaluation Model (CI11010125)
8. Xia Liu, Chao Yang, Xia Liu - Optimization of Vehicle Routing Problem Based on Max-Min Ant System with Parameter Adaptation (CI11010127)
9. Yu Yanfei, Min Yonglin - Simulation of Influence of Desired Velocity Distribution and Herd Effect on Pedestrian Evacuation (CI11100094)
10. Jun Hu, Chun Guan - A Model of Emotional Agent Based on Granular Computing (CI11100097)
11. Jiangfeng Luo, Luohao Tang, Cheng Zhu, Weiming Zhang - Action-Seeking Team Coordination for Unmanned Vehicles Team Planning (CI11100098)
12. Ziqiang Luo, Peng Cao, Shengquan Ma, Lihua Wu - A Cloud Model Approach to the Modification of the Exponential Functiona Model for Software Reliability (CI11240105)
13. Ziqiang Luo, Peng Cao, Guochun Tang, Lihua Wu - A Modification to the Jelinski-Moranda Software Reliability Growth Model Based on Cloud Model Theory (CI11240106)
14. Ziqiang Luo, Peng Cao, Shengquan Ma, Lihua Wu - Qualitative Modeling for Parallel Software System Reliability Evaluation (CI11240107)
15. Shengquan Ma, Fuchuan Chen, Qiang Wang, Zhiqing Zhao - The Design of Fuzzy Classifier Base on Sugeno Type Fuzzy Complex-Value Integral (CI11240108)
16. Liping Chen - Adaptive Evaluation Model of Information System by Triangular Fuzzy Number (CI11250150)
17. Wang Zhiming, Bao Hong - Cooperative Neural Network Background Model for Multi-Modal Video Surveillance

(CI11250154)

18. Lu Wei, Zhu Yian, Ma Yunyan, Zhang Longmei - A Model Driven Approach for Self-Healing Computing System (CI11250163)
19. Hu Lingling, Li Haifeng, Xu Xu - An Intelligent Vehicle Monitoring System Based on Internet of Things (CI11310027)
20. Fu Cequn, Wu Shulei, Zhong Sheng - Algorithm of Distribution Estimation for Node Localization in Wireless Sensor Network (CI11310038)
21. Bo Yang - Communities Detection with Applications to Real-World Networks Analysis (CI11310040)
22. Jingyi Wang, Jianwen Feng, Yi Zhao - Exponentially Synchronization of Stochastic Complex Networks with Time-varying Delays and Switching Topology via Pinning Control (CI11310058)
23. Liang Yuanxin - Robust Stability for Uncertain Neutral Systems with Time-varying and Distribute Delays (CI11310068)

**Sun - Am - C2 (Room C): ( 10:45 am - 12:15 am)**

## **Post Session 2: Data Mining**

**Session Chair: Prof. Chen Huandong**

1. Wu Zeng, Long Zhou, Xiubao Jiang, Xinge You, Mingming Gong - Clustering Based Image Denoising Using SURE-LET (CI11020037)
2. Chun Guan, Xiaoqin Zeng - An Improved ID3 Based on Weighted Modified Information Gain (CI11040189)
3. Wei He, Xiaoping Yang, Dupei Huang - Measuring Semantic Relatedness Between Words Using Lexical Context (CI11040200)
4. Baozhi Qiu, Shuang Wang - A Boundary Detection Algorithm of Clusters Based on Dual Threshold Segmentation (CI11040204)
5. Zhengfeng Ming, Rui Wen - The Finite Element Analysis of the Electromagnetic Levitation System Based on the Large Air Gap (CI11150053)
6. Fu Chuanyi, Chen Huandong, Xing Jieqing - Spectral Clustering and Its Research Progress (CI11310036)
7. Rui Sun, Peng Jin, Juan Lai - A Method for New Word Extraction on Chinese Large-scale Query Logs (CI11310049)
8. Pengyuan Liu - Another View of the Features in Supervised Chinese Word Sense Disambiguation (CI11310050)
9. Su Zhenglian, Yan Jun, Chen Haisong, Zhang Jiaojiao - Improving the Performance of Personalized Recommendation with Ontological User Interest Model (AP11900089)
10. Yi Wang, Wenyao Zhang, Jianguo Ning - Streamline-based Visualization of 3D Explosion Fields (CI11070163)
11. Yanjun Fu, Weiqiang Wang - Fast and Effectively Identify Pornographic Images (CI11070167)
12. Fanyi Xiao, Yixiong Liang, Xiaohui Qu - Learning Local Binary Patterns With Enhanced Boosting for Face Recognition (CI11070175)



13. Chun-hsien Chou, Yun-hsiang Hsu - Image Quality Assessment Based on Binary Structure Information (CII1070183)
14. Wei He, Wen-sheng Chen, Bin Fang - A Novel Subspace Discriminant Locality Preserving Projections for Face Recognition (CII1300122)
15. Taiquan Huang, Wen-sheng Chen - Automatic Parameter Determination Based on a Modified Discriminant Criterion for Face Recognition (CII1300138)
16. Bin Li, Haibo Kuang, Xiaohe Chen, Xuri Tang, Chen Chen - Construction of a Bilingual Cognitive Property Knowledgebase (CII1310044)
17. Ji-wei Wu, Judy C. R. Tseng, Wen-nung Tsai - An Efficient Linear Text Segmentation Algorithm Using Hierarchical Agglomerative Clustering (CII1350031)
18. Haiping Zhu, Yan Chen, Yang Yang, Chao Gao - A Topic Partition Algorithm Based on Average Sentence Similarity for Interactive Text (CII1260039)
19. Luan Lan - The AES Encryption And Decryption Realization Based On FPGA (AP11840009)
20. Ning Zhu, Xingyuan Chen, Yongfu Zhang - Construction of Overflow Attacks Based on Attack Element and Attack Template (IS11590034)
21. Wang Chao, Chen Xingyuan, Li Na - An Access Control Mode Based on Information Flow Graph (IS11410091)
22. Chen-guang He, Cun-zhang Cao, Shu-di Bao - An Enhanced Role-Based Access Control Mechanism for Hospital Information Systems (IS11410095)
23. Li Han - Using A Dynamic K-means Algorithm to Detect Anomaly Activities (IS11470077)
24. Takamasa Isohara, Keisuke Takemori, Ayumu Kubota - Kernel-based Behavior Analysis for Android Malware Detection (IS11480020)
25. Yuncheng Liu, Xingchun Sun, Xiaoqin Mao - Security Problems and Countermeasures with Commercial Banking Computer Networks (CII1020033)
26. Zhu Yanqiong, Xu Hui, Gao Zhan - Security Authentication Scheme Based on Certificateless Signature and Fingerprint Recognition (IS11540069)
27. Xiaobo Feng, Mingqiang Wang - Attack on the Cryptosystem Based on DLP (IS11440051)
28. Han Yanyan, Cheng Xiaoni, He Wencai - A Watermarking-based Visual Cryptography Scheme with Meaningful Shares (IS11460077)
29. Xinchun Yin, Ting Yang, Jianting Ning - Optimized Approach for Computing Multi-base Chains (IS11500073)
30. Na Zhao, Shenghui Su - An Improvement and a New Design of Algorithms for Seeking the Inverse of an NTRU Polynomial (IS11500078)
31. Han Yanyan, Cheng Xiaoni, Yao Dong, He Wencai - VVCS: Verifiable Visual Cryptography Scheme (IS11510012)
32. Wang Xingbao, Liu Chunping, Liu Gong, Liu Long, Gong Shengrong - Pedestrian Recognition Based on Saliency Detection and Kalman Filter Algorithm in Aerial Video (CII1070171)

**Sun - Pm - A1 (Room A): ( 14:00 pm - 16:00 pm)**

## Post Session 3: System Analysis and Security

### Session Chair: Prof. Wu Shulei

1. Xue Yisheng, Wu Shulei, Chen Huandong - A Blakley Secret Sharing Scheme Without Trusted Share Distributed Center ( CII1310037)
2. Jie Wang, Yong-quan Cai - A Rational Secret Sharing Scheme Based on Repeated Game ( IS11510011)
3. Jianting Ning, Xinchun Yin, Ting Yang - A Trivariate Polynomial-based Dynamic Key Management Scheme For Wireless Sensor Networks ( IS11600030)
4. Haibo Wu, Shenghui Su - Analysis of the Success Rate of the LLL Lattice Basis Reduction ( IS11640021)
5. Jieyuan Li, Guohua Liu - On the Representation and Querying of Sets of Possible Worlds in the K-anonymity Privacy Protecting Model ( IS11650077)
6. Zhang Guojun, Chen Liping, Ha Weitao - The Design of Cooperative Intrusion Detection System ( AP11720029)
7. Xiaolong Xie, Xinsheng Ji, Caixia Liu - Analysis of Abnormal Events in IMS and Research on the Strategy of Detection ( IS11610028)
8. Fang Qun, Wu Xu, Xu Yong - Stochastic Modeling File Population in P2P Network ( IS11620116)
9. Kang Jianhua, She Fangyi, Yang Fangzheng, Wang Tao - Design of Instrument Control System Based on LabView ( AP11940358)
10. Min Luo, Haiquan Wang, Chunhe Xia, Lihua Wang, Ya Wang - Design and Implementation of Bus Net Routing Algorithm ( AP11940378)
11. Xiaoying Pan, Hao Chen - Using Organizational Evolutionary Particle Swarm Techniques to Generate Test Cases for Combinatorial Testing ( AP11940415)
12. Ziqing Nie, Shiyang Yang - An Implementation Method for Converting the Erhu Music from Wav to Mid ( AP11940416)
13. Jiatong Chen, Yong Wang - The Guidance and Control of Small Net-recovery UAV ( AP11940424)
14. Xin Lai, Cong Liu, Zhiying Wang, Quanyou Feng - Analytical Models for Data Dependence Violation Checking in TLS ( AP11940435)
15. Peng Sun, Xin Guo - Structural Health Monitoring via Dynamic Visualization ( AP11940437)
16. Yuanguai Lin - The Application of the Internet of Things in Hainan Tourism Scenic Spot ( AP11940444)
17. Feng Tianxiang, Liu Hongxia - Computer Realization of Quadratic Spline Interpolation ( CII1020028)
18. Zhenhai Ai - A New Method for Interval Multiple Attribute Decision Making Based on Minimum Variance and Approach Degree ( CII1310010)
19. Wang Wei, Tan Enmin, Feng Bing - A Data Distribution Platform Based On Event-Driven Mechanism ( CII1310024)
20. Fu Chuanyi, Zhan Jinmei, Chen Juntao - Design and Implement of SerialPort Class on Upper Machine System ( CII1310035)
21. Ruliang Wang, Dongmei Gao, Yanbo Li - Robust Adaptive Sliding Mode Control Design for a Class of Uncertain

Neutral Systems with Distributed Delays ( CI11310061)

22. Shujun Long, Liping Jia - Stability Analysis of Neutral-type Fuzzy Neural Networks with Distributed Delays ( CI11290026)
23. Ruliang Wang, Jie Li - Adaptive Neural Control for a Class of Perturbed Time-delay Nonlinear Systems ( CI11310062)

**Sun - Pm - A2 (Room A): ( 16:15 pm - 18:00 pm)**

**Post Session 4: Cryptography and Cryptanalysis**

**Session Chair: Prof. Wu Shulei**

1. Hassina Bensefia, Nacira Ghoualmi - A New Approach for Adaptive Intrusion Detection (IS11470075)
2. Dingde Jiang, Peng Zhang, Zhengzheng Xu, Cheng Yao, Wenda Qin - A Wavelet-Based Detection Approach to Traffic Anomalies (IS11470078)
3. Hua Jiang, Liaojun Pang - Fast Network Traffic Anomaly Detection Based on Iteration (CI11310018)
4. Wu Xi-hong - Performance Analysis of the Single Pattern Matching Algorithm Based on Prefix Searching (IS11410094)
5. Ju Jianguo, Chen Weihe, Zhan Yongzhao - Research of Access Control in Electronic Medical Record Based on UCON (IS11410090)
6. Zhenghong Liu, Yuhong Jia, Tieli Sun - Study on Role-Based Access Control with Time Constraint (IS11410098)
7. Siyuan Xin, Yong Zhao, Yu Li - Property-Based Remote Attestation Oriented to Cloud Computing (IS11410097)
8. Adriana Esmeraldo De Oliveira, Gustavo Henrique Matos Bezerra Motta - A Security API for Multimodal Multi-biometric Continuous Authentication (IS11410096)
9. Xiaoyi Duan, Ronglei Hu, Xiuying Li - Research and Implementation of DPA-resistant SMS4 Block Cipher (IS11410092)
10. Jing Qiu, Ping Wang - An Image Encryption And Authentication Scheme (IS11540071)
11. Junfeng He, Hui Sun - The Analysis of Influence Factors of the Confidence Level on University Students' Network Shopping (AP11930021)
12. Yi Ding, Lei Fan - Traitor Tracing and Revocation Mechanisms with Privacy Protection (AP11770021)
13. Li Huixian, Yin Ping, Wang Xuan, Pang Liaojun - A Novel Hash-based RFID Mutual Authentication Protocol (CI11310012)
14. Wu Shaobo, Li Chengshu - Identity-based SIP Authentication and Key Agreement (IS11540070)
15. Jianrong Xi - A Design and Implement of IPS Based on Snort (AP11810010)
16. Zhen Su, Lianhai Wang - Evaluating the Effect of Loading Forensic Tools on the Volatile Memory for Digital Evidences (IS11550042)
17. Chen Liang, Cui Yongquan, Tang Xueming, Hu Dongping, Wan Xin - Hierarchical ID-Based Blind Signature

from Lattices (AP11760012)

18. Xinghua Li, Lingjuan Deng, Yuan Zhang, Dan Yang, Jianfeng Ma - Analysis of the Authentication Protocols Based on Game Theory (CI11310022)
19. Zeng Chufeng, Wang Qingxian - Systematical Vulnerability Detection in Browser Validation Mechanism (IS11540074)
20. Yindong Chen - A Construction of Balanced Odd-variable Boolean Function with Optimum Algebraic Immunity (IS11440056)
21. Junping Yao, Zefeng Dong, Xinshe Li - A Novel Group Signature Scheme Based on NTRU (IS11500075)
22. Yaobin Wang, Hong An, Zhiqin Liu, Kang Xu, Wanli Dong - Accelerating Block Cryptography Algorithms in Procedure Level Speculation (IS11420025)
23. Wei Fu, Guang-liang Liu - An ID-based  $(k, T, N)$  Threshold Group Signature Scheme (IS11440049)
24. Xiang Fei, Guo Xiao-cong - An Image Encryption Algorithm Based on Scrambling and Substitution Using Hybrid Chaotic Systems (IS11420026)
25. Ming Luo, Chun-hua Zou, Jianfeng Xu - Certificateless Broadcast Signcryption with Forward Secrecy (IS11430122)
26. Leibo Li, Tao Zhan - Co-Z Addition Operation of Hessian Curve (AP11890007)
27. Qian Zeng, Guorui Feng - Differential Energy Watermarking Based on Macro-block Prediction (IS11530062)
28. Zhang Jjinman, Chen Qin - Hierarchical Identity-based Broadcast Encryption Scheme on Lattices (IS11500067)
29. Xuan Wang, Ziqing Wang, Yi Ding, Shujun Bai - K-times Proxy Re-encryption (IS11430129)
30. Shen Xunxun, Xu Maozhi, Zhao Yanhui - Multi-Undeniable Signature Schemes (IS11500074)
31. Yi Ding, Lei Fan - Efficient Password-Based Authenticated Key Exchange from Lattices (IS11430123)
32. Weidong Zhong, Xuan Wang, Ziqing Wang, Yi Ding - Proxy Re-encryption with Keyword Search from Anonymous Conditional Proxy Re-encryption (IS11430128)
33. Yong-long Luo, Chao Cheng, Cai-xia Chen, Hong Zhong - A Protocol of Privacy-Preserving Closest Pair in Two Dimensional Space (IS11430110)
34. Yilei Wang, Qiuliang Xu - 2-out-of-2 Rational Secret Sharing in Extensive Form (IS11430112)
35. Qing Dai, Xiufeng Zhao, Qiuliang Xu, Han Jiang - A New Cross-realm Group Password-based Authenticated Key Exchange Protocol (IS11430126)
36. Rui Li, Qiuliang Xu, Hao Wang - Concurrent Non-malleable Statistically Hiding Commitment (IS11430118)
37. Hao Wang, Qiuliang Xu, Han Jiang, Rui Li - Attribute-based Authenticated Key Exchange Protocol with General Relations (IS11430117)
38. Keke Wu, Huiyun Li, Xucheng Yin, Guoqing Xu - Elliptic Curve Isogenies to Resist Differential Side-Channel Analysis Attacks (IS11500076)
39. Caifen Wang - An Improve Signcryption with Proxy Re-encryption and Its Application (IS11430119)

**Sun - Pm - B1 (Room B): (14:00 pm - 16:00 pm)**

## **Post Session 5: Data Mining**

### **Session Chair: Prof. Liu Hailin**

1. Aijun Yang, Ping Song - Data Mining Technique in the Internal Auditing of Enterprise Groups (CI11040191)
2. Rong Wang - Normalizing Modularity Matrices for Data Clustering (CI11040179)
3. Andr\`e Fabiano De Moraes, Lia Caetano Bastos - Pattern Recognition with Spatial Data Mining in Web: An Infrastructure to Engineering of the Urban Cadaster (CI11040171)
4. Zhang Lei, Jie Liu - Research on Industrial Building's Reliability Assessment Based on Projection Pursuit Model (CI11150055)
5. Jing Cai, Heng Li, Bo Lang - A Combined Music Label Propagation Model (CI11040185)
6. Haifeng Li, Ning Zhang - A Simple but Effective Stream Maximal Frequent Itemset Mining Algorithm (CI11040174)
7. Ru Xue, Zong-sheng Wu, A-ning Bai - Application of Cloud Storage in Traffic Video Detection (CI11340058)
8. Lin Wang, Xiuling Zhou - Approximation Kernel 2DPCA by Mixture of Vector and Matrix Representation (CI11300128)
9. Changqing Liu, Wencai Luo - Methodology for Statistical Distribution Determination of Various Data Sources (CI11150050)
10. Huaping Jia - Neural Network in the Application of EEG Signal Classification Method (CI11040180)
11. Li Sun, Ming Zhu, Jiyun Li - Promotion Analysis Based on Fitting in Multi-Level Space (CI11040170)
12. Qiu Lu, Xiaohui Cheng - Research on Privacy-preserving in Distributed Mining Based on the Attribute Similarity (CI11040168)
13. Changqing Liu, Wencai Luo - Sequential Bayesian Method for Formulating Uncertainty in Sparse Data (CI11150052)
14. Yanfei Zuo, Guohua Liu, Xiaoli Yue, Wei Wang, Honghua Wu - Similarity Matching over Uncertain Time Series (CI11040193)
15. Lin Bingchun, Liu Guohua - The Classification of K-anonymity Data (CI11040194)
16. Jiechang Wen, Taowen Wang - The Estimation of Mixing Matrix Based on Bernoulli-Gaussian Model (CI11310071)
17. Yanping Cao, Chunmei Gong - The Problem About Grey Incidence Cluster Analysis (CI11040181)
18. Qi Luo - A New Community Structure Detection Method Based on Structural Similarity (CI11040201)
19. Yifang Yang, Guoqiang Chen, Yanchun Guo - SVM Combined with FCM and PSO for Fuzzy Clustering (CI11040207)
20. Juan Li - TKNN: an Improved KNN Algorithm Based on Tree Structure (CI11040203)
21. Shi Longqing, Zhao Qingfeng - Data Sources of Webometrics (CI11150048)
22. Shi Yan-xin, Cheng Yongmei - Adaptive Filter for Color Impulsive Removal Based on the HSI Color Space (CI11070185)

23. Wang Hui, Zhou Zhiguo, Jie Longmei - Automatic Detection of Lumina in Mouse Liver Immunohistochemical Color Image Using Support Vector Machine and Cellular Neural Network (CI11070179)
24. Xin Zheng, Xiumin Zhang, Fuqing Duan, Wei Liu - Contours-Matching In Building Reconstruction from a Single Image (CI11070154)
25. Yiping Xu, Jing Tan, Hongping Li, Yan Tian - Image Matching Algorithm Based on Analysis of Reliability in Log-Polar Field (CI11310055)
26. Shisong Zhu, Liang Chen, Shuhong Cao - Knowledge Discovery Method from Abnormal Monitoring Data (CI11080080)
27. Wenzhang He, Rui Liu, Ruimin Zhao - Parabolic Adjustment of Image Clearness Algorithm Based on Retinex Theory (CI11070166)
28. Xiaohui Tian, Rong Wang - Soft-Voting Classification Using Locally Linear Reconstruction (CI11090057)
29. Guojian Cheng, Caiyun Shi, Kai Zhu, Kevin Gong - The Application of Binary Particle Swarm Algorithm in Face Recognition (CI11310031)
30. Li Min, Xu Chen, Sun Xiaoli, Zhang Weiqiang - The Iterative Regularization Method Based on Image Decomposition Model (CI11310052)
31. Ma Shuangcheng - Using the Callback Function Realization Touch Screen Gestures Recognition of Computer (CI11070149)
32. Hengbo Zhao, Lixiong Liu - Active Contours with Adaptively Normal Biased Gradient Vector Flow External Force (CI11070153)
33. Donghua Huang, Fuqing Duan, Qingqiong Deng, Zhongke Wu, Mingquan Zhou - Face Reconstruction from Skull Based on Partial Least Squares Regression (CI11090046)
34. Liu Jing, Xiong Jie - Research and Implementation on the Digital Medical Image Enhancement Methods Based on Gradient Smooth and Context Smooth (CI11070161)
35. Xu Chen, Sun Xiaoli, Li Min - A Secondary Image Denoising Model Based on the Local Energy Operator (CI11310054)
36. Zheng Yang, Liu Chunping, Wang Zhaohui, Ji Yi, Gong Shengrong - A Saliency Detection Model Based on Multi-feature Fusion (CI11070172)
37. Yu Hou, Caikou Chen - Local Reconstruction Error of  $\ell_2$  Norm for Discriminant Feature Extraction (CI11300134)
38. Lifang Xue, Xiushuang Yi - Speech Feature Analysis Using Temporal Linear Embedding (CI11300135)
39. Hui Liu, Chen Xu, Wenming Cao - The Multispectral Image Edge Detection Based on Clifford Gradient (CI11310053)
40. Zhang Haifeng, Cao Jianzhong, Tang Linao, Wang Huawei - A New Algorithm for Auto-Exposure Based on the Analogy Histogram (CI11070189)
41. Baochuan Pang, Long Zhou, Wu Zeng, Xinge You - Cell Nuclei Detection in Histopathological Images by Using Multi-curvature Edge Cue (CI11020036)
42. Zhenhuan He - Research on Improved Greedy Algorithm for Train Rescheduling (CI11080083)

43. Shenhai Yan, Yang Liu, Xiantong Huang - Schistosoma Cercariae Image Recognition via Sparse Representation (CI11070177)

**Sun - Pm - B2 (Room B): (16:15 pm - 18:00 pm)**

**Post Session 6: System Analysis and Modeling**

**Session Chair: Prof. Liu Hailin**

1. Qiuxiang Feng, Xiuying Li, Degen Huang, Rongpei Wang, Roland Hausser - DBS Application to Chinese Adjectives (AP11940439)
2. Lan Li - Existence of Almost Periodic and Almost Automorphic Solutions for Second Order Differential Equations (CI11310057)
3. Zheng Lv, Hao Chen, Feng Chen, Yi Lv - Fast Verification of Memory Consistency for Chip Multi-Processor (CI11310032)
4. Wang Yanli - Multi-user Detection Method for MIMO-OFDM Uplink Transmission (AP11940403)
5. Wei-wei Zheng, Li-gui Luo, Lei Zhao - Qualitative Analysis for a Kind of Predator-Prey Model of Holling III-Function Response with Nonlinear Density Dependent (AP11940451)
6. Jing Zhang, Jinjie Zhang - Relative Stability of Solution for Hua's Macroeconomic Model (CI11020032)
7. Wu Daiwen - The Application Study About Lucene in Document Retrieval for Office (AP11940404)
8. Yu Jiangfeng, Qi Youju - The Construction and Application of Distance and Open Experimental Platform (AP11940398)
9. Li Zong-ji, Cheng Shan-Zheng, Ren Lei - The Simulation of Trajectory for Homing Depth Charge Attacking the Submarine with Different Guide Orderliness (CI11150057)
10. Ren Liang - VAR Model Analysis on Japan's OFDI and Industrial Structural Upgrading (AP11940372)
11. Rong Shan - Constructing the Expandability Web Service Based Linux (AP11810011)
12. Guoqi Li - FTA Based Runtime Evaluation of System Reliability for Autonomous Unmanned Vehicle (AP11940442)
13. Weitao Ha - Achievement of Proxy Cache System for Streaming Media Based on Patch Algorithm (AP11940405)
14. Ruizhong Wang - Stock Selection Based on Data Clustering Method (AP11940401)
15. Yanchun Guo, Ganglian Ren, Yifang Yang - A Lower Bound for the Smarandache Function Value  $S(n! \pm 1)$  (AP11940420)
16. Hai Zhu, Zengfa Dou, Wengang Zhou - A Novel Two-stage Analysis Method for Customer's Requirement (AP11940458)
17. Wei Zhao - Analysis of the Impact of Polarization Mode Dispersion on Optical Fiber Communication (AP11940406)
18. Jun Chen, Xiong Shi - CFD Numerical Simulation of Exhaust Muffler (AP11940433)
19. Feng Tian, Chenghui Zhang - Experimental Study the Measurement of Acoustic Wave Flight Time Under Strong

Noise in the Boiler (AP11940384)

20. Pang Sulin, Shouyang Wang - Geometric Recognitions Models of Fault Characteristics in Mobile Core Network (AP11940455)
21. Feng Tian, Haiyang Wang, Xiaoping Sun, Jia Liu, Chuanyun Wang - Optimization Plan of Using the Arrival and Departure Track in District Station Based On Hybrid Algorithm (AP11940379)
22. Chao Deng, Sulin Pang - The BSC Alarm Management System Based on Rough Set Theory in Mobile Communication (AP11940456)
23. Yan-ping Zhang, Xiao-yan Chen, Bo Hua, Yuan Zhang - A Maximal Clique Partition Method for Network Based on Granularity (CI11090056)
24. Zhao Liu, Rui Zhang, Denghua Mei, Xi Zheng - An Improved Software Reliability Model Considering Fault Correction Rate (CI11130012)
25. Yunhui He - Class-Incremental Kernel Discriminative Common Vectors (CI11260035)
26. Shu Zhao, Chao Xu, Yan-ping Zhang, Jun Ma - Multi-Side Multi-Instance Algorithm (CI11260037)
27. Changqing Liu, Wencai Luo - Probabilistic Trajectory Modeling of Flight Vehicles Based on Parameter Deviations (CI11130011)
28. Yan-ping Zhang, Bo Hua, Juan Jiang, Yuan Zhang, Xiao-yan Chen - Research on the Maximum Flow in Large-scale Network (CI11090052)
29. Jiajia Hu, Ning Wang - The Application of Graph Theory in Old Chinese Phonology Study (CI11090047)
30. Meiyin Dai, Fanzhang Li - Dynamic Fuzzy Semisupervised Multitask Learning (CI11090055)
31. W. Q. Zhang, C. Xu - Time Series Forecasting Method Based on Huang Transform and BP Neural Network (CI11310056)
32. Mengxuan Dong, Fanzhang Li - The Estimation Algorithm of Laplacian Eigenvalues for the Tangent Bundle (CI11090049)
33. Feng Huamin, Yang Xinghua, Liu Biao, Jiang Chao - A Spam Filtering Method Based on Multi-modal Features Fusion (CI11090048)
34. Xiaoqiang Jia - Feature Selection Algorithm Based on the Community Discovery (CI11260034)



**Sun - Pm - C1 (Room C): (14:00 pm - 16:00 pm)**

**Post Session 7: Intelligent Computation**

**Session Chair: Prof. Cheung Yiu-ming**

1. Dalian Liu, Jinling Du, Xiaohua Chen - A Genetic Algorithm Based on a New Fitness Function for Constrained Optimization Problem (CI11020040)
2. Ma Lixiao, Zhao Zhanfang, Chen Shuqing - A Line-up Competition Differential Evolution Algorithm for the Generalized Assignment Problem (CI11230091)
3. Yuhong Duan, Yuelin Gao - A New Improved Particle Swarm Optimization Algorithm (CI11120113)
4. Ge Junwei, Xian Jiang, Yiqiu Fang - Improvement of the MapReduce Model Based on Message Middleware Oriented Data Intensive Computing (CI11060060)
5. Yan-yan Tan, Yong-chang Jiao, Xin-kuan Wang - MOEA/D with Uniform Design for the Multiobjective 0/1 Knapsack Problem (CI11230089)
6. Liumei Zhang, Jianfeng Ma, Yichuan Wang, Shaowei Pan - PSO-BP Neural Network in Reservoir Parameter Dynamic Prediction (CI11120112)
7. Liang Zhenqiu - Research of Blocking Factor Combined with Improved Ant Colony Algorithm in VRP (CI11170063)
8. Jihong Jia - Sufficient Optimality Conditions and Duality for a Minmax Fractional Problem (CI11020027)
9. Liu Jie - A New Filled Function Algorithm for Constrained Global Optimization Problems (CI11230095)
10. Jinhua Li, Jie Liu - A Hybrid Method for Solving Global Optimization Problems (CI11060059)
11. Xiao-bin Guo - Approximate Solution of Fuzzy Sylvester Matrix Equations (CI11240110)
12. Hecheng Li - A Genetic Algorithm Based on Duality for Linear Bilevel Programming Problems (CI11230096)
13. Jinling Du, Chunxiao Wang, Feng Zhang - Multi-objective Optimization of Bus Dispatching Based on Improved Genetic Algorithm (CI11230098)
14. Xiangyou Li, Qingxiang Zhang - Optimality Conditions for Fractional Programming with B- (p,r,a) Invex (CI11310008)
15. Zhou Bi-ying - Research on Nonlinear Predictive Control Rolling Optimization Strategy Based on SAPSO (CI11210052)
16. Ning Dong, Yuping Wang - A Hybrid Multiobjective Differential Evolution Algorithm Based on Improved  $\epsilon$ -dominance (CI11230097)
17. Xiaofang Guo - A Hybrid Simplex Multi-objective Evolutionary Algorithm Based on Preference Order Ranking (CI11280027)
18. Sun Shengjie, Zhong Sheng, Zhang Baihai - Researching on the Growth Operator SWFZIRS of Growth Evolution Algorithms (CI11310034)
19. Han Hong, Kang Fengju, Wang Shengjie - Design of Intelligent Decision-making System in Multi-UUV Formation Control Simulation (CI11100091)

20. Zhao Juan, Wang Mingchun, Liu Kun, Wang Can - Discretization Based on Positive Domain and Information Entropy (CI11220051)
21. Liu Liu, Zhenhan Liu, Lu Xu, Junwei Zhang - FBctrl - a Novel Approach for Storage Performance Virtualization (CI11220050)
22. Yu Shaojuan, Song Junjun - Iterative Learning Control of Double Servo-valve Controlled Electro-hydraulic Servo System (CI11010130)
23. Sheng Gao, Guohui Li, Pei Zhao - Marshmallow: A Content-Based Publish-Subscribe System over Structured P2P Networks (CI11250157)
24. Gong Fei, Xie Lun, Li Nan, Wang Zhi-liang - Research of Rapid Attention-Information Extraction in Human-Robot Interaction (CI11250147)
25. Yao Lu, Gang Liu, Wei Chen, Jesper Olsen - Voice-based Local Search Using a Language Model Look-ahead Structure for Efficient Pruning (CI11250145)
26. You Li, Yuming Lin, Lingzhong Zhao - A Comparative Study on Appending Priority Relations of Rules in BDI-Based Agent Model (CI11100093)
27. Gao Xin, Jia Qingxuan, Hu Huan, Sun Hanxu, Song Jingzhou - A Human-Computer Interaction Method with Multi-Dimensional Information in the Teleoperation Augmented Reality System (CI11250160)
28. Fengdan Lao, Guanghui Teng - 3G-based Remote Video Surveillance and Control System for Facility Agriculture (AP11940375)
29. Limin Han, Deyuan Gao, Xiaoya Fan, Liwen Shi, Jianfeng An - Global Prefetcher Aggressiveness Control for Chip-multiprocessor (CI11010128)
30. Yong-lin Liu, Xiao-bo Cai - Weak-pseudo-R0 Algebras (CI11240111)
31. Xirong Xu, Aihua Deng, Wenhua Zhai - An Important Property About Vertex Distance of Crossed Cubes CQn (CI11220043)
32. Hao Peifeng - Study on Friction Coefficient Mechanism Model of Tandem Cold Mill in Unstable Condition (CI11250153)
33. Camilla Schwind - Belief Base Change on Implicant Sets: How to Give up Elements of a Belief Base on Literal Level (CI11250159)
34. Jun Chen, Xiong Shi - Real-time LOD Algorithm Based on Triangle Collapse Optimization (CI11320004)

## **Sun - Pm - C2 (Room C): (16:15 pm - 18:00 pm)**

### **Post Session 8: Information Security**

#### **Session Chair: Prof. Cheung Yiu-ming**

1. Rongrong Jiang, Tieming Chen - A Bilinear Pairing-Based Key Management Scheme for Wireless Sensor Networks (IS11620127)
2. Xu Xiang - A Sybil-resilient Contribution Transaction Protocol (IS11620124)
3. Chunling Wang, Fei Yang - An Interactive Charge Scheme with Reward and Non-repudiation for Wireless Mesh Network (IS11620128)
4. Cheng Yong-mao, Chen Wang-da, Qu Hui, Cai Tian-yi - Joint Synchronization and Channel Estimation Algorithm of FH-OFDM Systems in Aviation Mobile Communications (IS11490009)
5. Wei Li, Guangye Li, Chunlei Liu - Query-Aware Anonymization in Location-based Service (IS11610030)
6. Hao Chen, Dingyi Fang, Xiaojiang Chen, Feng Chen, Xiaoqing Gong, Lang Qin - The Reliable Transmission Research of the Random Data in WSN Earthen Sites Health Monitoring (CI11310033)
7. Jun Hu, Zeng Ma, Chunsheng Sun - Energy-efficient MAC Protocol Designed for WSN for IoT (CI11310029)
8. JiangHong Guo, Jianfeng Ma, Xiuqiang Wu - Secure Data Aggregation Scheme for Clustered Wireless Sensor Networks (IS11620115)
9. Zhang Miao, Li Jingying - A Fast Handoff Method Based on RSSI and LQI in Wireless Sensor Network (CI11310011)
10. Shirui Ji, Qingqi Pei, Yong Zeng, Chao Yang, Shu-po Bu - An Automated Black-box Testing Approach for WSN Security Protocols (CI11310014)
11. Weichang Li, Hongning Li, Min Xie, Shupo Bu - An Identity-based Secure Routing Protocol in WSNs (CI11310015)
12. Fei Li, Shuming Xiong, Liangmin Wang - Recovering Coverage Holes by Using Mobile Sensors in Wireless Sensor Networks (IS11620125)
13. Dong Li, Jiang Feibo - Design of the DS-UWB Communication System Based on Chaotic Variable Spreading Factor (AP11720028)
14. Tianzhen Cheng, Ping Li, Sencun Zhu - Multi-jammer Localization in Wireless Sensor Networks (IS11620120)
15. Guo Feng, Liu Chen-yu, Zhang Su-qin, Zhou Bin - Spares Consumption Prediction Based on BP Neural Network (CI11110074)
16. Liu Chen-yu, Guo Feng, Li Yuan-lei, Zhang Su-qin - Spares Consumption Quota Model Based on BP Neural Network (CI11190055)
17. Ming Chang, Hongwei Chen, Yingying Wang, Yueou Ren, Hao Kang - The Application of Neural Network in the Intelligent Fault Diagnosis System (CI11110082)
18. Gaochang Zhao - Predictions for Coal Spontaneous Combustion Stage Based on an Artificial Neural Network (CI11020029)
19. Yanshuang Meng - Existence and Global Attractivity of Almost Periodic Solution of Hopfield Neural Networks

with Time Delays (CI11110078)

20. Yan-ping Zhang, Juan Jiang, Chao Xu, Bo Hua, Xiao-yan Chen - A New Scheme for Information Hiding Based on Digital Images (IS11460075)
21. Qian Liping, Wang Lidong - A Study on IT-security Vocabulary for Domain Document Classification (IS11580054)
22. Wang Ke, Yang Wei-dong, Liu Ji-zhao, Zhang Dan-tuo - An Adaptive Connectivity Data Dissemination Scheme in Vehicular Ad-hoc Networks (CI11310023)
23. Ge Junwei, Tao Cong, Fang Yiqiu - Architecture for Component Library Retrieval on the Cloud (IS11450035)
24. Zhang Xing-lan, Liu Wei-wei - Improving Privacy of Property-based Attestation Without a Trusted Third Party (IS11460076)
25. Xiang Fan, William W. Guo, Mark Looi - Modeling and Simulating the Propagation of Unstructured Peer-to-Peer Worms (IS11590030)
26. He Qi, Li Huifang - Optimizing for ArtiFlow and Transform ArtiFlow to ServiceFlow (AP11820009)
27. Hua Huang, Yuan Ding - Orthogonal Test Algorithm on TD-SCDMA Network Optimization (IS11450033)
28. Xing Yang, Yubao Liu, Zhan Li, Jiajie Mo - Privacy Preserving Naïve Bayesian Classifier Based on Transition Probability Matrix (AP11860010)
29. Liqun Chen, Miao Lu, Jingbo Chen - Researches and Simulations of Information Hiding in Alamouti Transmission System (IS11460070)
30. Jihai Huang, Yu Su, Min Cao - The Implementation of Trust Model in the P2P Patch Distribution System (IS11590033)
31. Qiao Baoming, Zhang Pulin, Kang Qiao - A Digital Watermarking Algorithm Based on Wavelet Packet Transform and BP Neural Network (AP11860011)
32. Huimei Wang, Ming Xian, Guoyu Wang - Testing Anti-denial of Service Attacks Based on Mobile Agent (IS11580053)
33. Bo Song, Shengwen Gong, Shengbo Chen - Model Composition and Generating Tests for Web Applications (AP11820010)
34. Yue Qi, Qingqi Pei, Yong Zeng, Chao Yang, Shu-po Bu - A Security Testing Approach for WSN Protocols Based on Object-oriented Attack Model (CI11310013)
35. Li Chaorong, Huang Mingqing, Li Jianping - Fingerprint Composition-Feature Extraction Using Directional Filter Banks (IS11450036)
36. Chao-qin Gao, Chuang-bai Xiao - A Security Model for Information Systems with Multi-level Security (IS11650080)
37. Jiawei Wu, Guohua Liu - Modeling the Uncertain Data in the K-anonymity Privacy Protection Model (IS11650075)
38. Fang Shen, Qingqi Pei, Shu-po Bu - A Trust-based Dynamic Secure Service Discovery Model for Pervasive Computing (IS11650081)