Table of Contents

Preface Organizing Committees	v vi
Session 1 A Duane Equivalent Software Reliability Growth Test Jing HE and Yang LIU	1
Does the Concept of Network Imply a Need to Revise the Mechanism of Evolution? Luís Homem	6
Complex Network Model Based on Node Attraction with Tunable Parameters SUN Rui, LUO Wanbo, MU Ali, LI Lin and ZHONG Mi	11
Searching for Online Traffic Classification Xiaomei Yu, Zhenxiang Chen, Lizhi Peng, Shupeng Zhao and Keke Liu	17
Analysis and Evaluation on Weighted Instant Messaging Network Lin LU, Jun-yong LUO, Yan LIU and Ming-tao LI	23
Feature-Based ITG for Unsupervised Word Alignment Zhonghua Li, Jun Lang, Yun Huang and Jiajun Chen	30
A Domain Knowledge Based Weighting Approach in Protein Interaction Article Classification Yifei Chen, Feng Liu and Bernard Manderick	38
A Density-Based Method for Initializing the K-means Clustering Algorithm Xuanyi Zhang, Qiang Shen, Haiyang Gao, Zhijun Zhao and Song Ci	46
An Introduction to an Approach of Combining and Selecting Independent Variables for Constructing a Predictive Model of Probability of Default Te-Hsin Liang, Jian-Bang Lin, Yong-Goo Lee and Chih-Hsiung Su	54
A Self-Adaptive Differential Evolution Algorithm Based on Cloud Model Jingjing Sun, Hongbin Dong and Yue Pan	59
Session 2 Integrating AIDS-Agent model and GIS Shuangyun Peng, Kun Yang and Bangmei Huang	65
Research of Interactive Product Design Method Based on Synesthesia Materialization Yaqin Wang, Fan Zhang, Linkai Tao, Bing Li and Fangtian Ying	70
A Behavioral Metaphor Oriented Product-Upgrading Design Model Yaqing Wang, Bing Li, Fan Zhang, Fangtian Ying and Xinggang Yu	76
SOAP Handlers in Prediction of Byzantine Web Services Sankaranarayanan Murugan and Veilumuthu Ramachandran	81
The Construction of Experimental Teaching Informatization System—Take Experimental Teaching Centre for Media and Communication Studies of Zhejiang Normal University as an Example WANG Jing-yao , JIN Bing-yao and NI Sheng	87
An Empirical Study of Internet-Based Collaborative Learning Yu Fengjun and Tao Yuan	91
Analysis about Color Character of MicroscopyImage and the Usage in Denoising and	96

	Shi Hongwei,	Shi	Yaowu	and	Yang	Shuang
--	--------------	-----	-------	-----	------	--------

Ornamental Fish Image Retrieval System Wen-Ming Chen, Pin-Shan Chiang and Chun-Long Wu	102
Application of Bispectral Analysis in the Nonlinear Systems Huang Ling and He Zhiming	107
Application of Time-Frequency Distribution to Target Detecting in Sea Clutter Xiao Chunsheng and Cha Hao	112
Session 3 Edge-Enhanced Shape Feature Extraction for Image Retrieval Rongguo Zhang, Zongjian Zhang, Li Li and LiyangPeng	117
Image Database Categorization based on aNovel Possibilistic Clustering and Feature Weighting Algorithm Mohamed Maher Ben Ismail	122
Farsi/Arabic Digit Classification Using Triangle Based Model Features with Ranking Measures Mohd Sanusi Azmi, Mohamad Faidzul Nasrudin and Khairuddin Omar, Khadijah Wan Mohd Ghazali and Azah Kamilah Muda	128
A High Fidelity OFDM Image CommunicationSystem with Chaotic Maps Hossam M. Kasem, Mohamed E.Nasr and Amr H. Hussein	134
A New Efficient Image Encryption Technique Based on Arnold and IDEA Algorithms Amr M. Riad, Amr H. Hussein, Hossam M. Kasem and Atef Abou El-Azm	140
Cooperative Diversity witha New Incremental Relay Protocol and itsPerformance Evaluation Yawgeng A. Chau and Mostafa Al-Harbawi	146
1/f Noise by Quantum Mechanics Thomas Prevenslik	151
Design of Low Power Low Noise High quality Factor Active Inductor Based Impedance Matching Network for Low Noise Amplifier J.Manjula and S.Malarvizhi	156
Design and Implementation of LANCANG River Basin Management Information System Shi Lei, Huang Chong, Liu Gaohuan, Xie Chuanjie, Ran Fankun	161
Accurate Representation of Switching in Multi-scale Simulation of Power Systems and Circuits Hua Ye, Songhuai Du, and Kai Strunz	166
Session 4 An Ultra-low Power Voltage Reference For Passive UHF RFID Tag Jinpeng Shen, Xin'an Wang, Shan Liu and Jinfeng Huang	171
Study on Auto-focus Methods of Optical Microscope Hongwei Shi, Yaowu Shi, and Xiaojie Li	176
An Improved Algorithm for Nonlinear Dimensionality Reduction in Image Processing Dong Li	183
Performance of Optical Network with Lower Bit Error Rate (BER) Peiying Chen, Suqin Feng, Lanzhu An, and Shuxue Li	190
Author Index	197