

2013 25th Chinese Control and Decision Conference

(CCDC 2013)

**Guiyang, China
25 – 27 May 2013**

Pages 1-849



**IEEE Catalog Number: CFP1351D-POD
ISBN: 978-1-4673-5533-9**

TABLE OF CONTENTS

ADAPTIVE HEIGHT AND ATTITUDE CONTROL OF SMALL-SCALE UNMANNED HELICOPTER	1
<i>S. Tang, L. Zhang, Z. Zheng</i>	
ADAPTIVE PIQ STOPPING CONTROL OF URBAN RAIL VEHICLE	7
<i>M. Zhang, H. Xu</i>	
APPROXIMATION-BASED DIRECT ADAPTIVE TRACKING CONTROL FOR A CLASS OF UNCERTAIN PURE-FEEDBACK STOCHASTIC NONLINEAR SYSTEMS	13
<i>H. Wang, B. Chen, C. Lin</i>	
THE ROBUST ITERATIVE LEARNING CONTROL OF NETWORKED CONTROL SYSTEMS WITH VARYING REFERENCES	19
<i>L. Zhai, G. Tian, F. Zhou, Y. Li</i>	
IDENTIFICATION AND LEARNING CONTROL OF STRICT-FEEDBACK SYSTEMS USING ADAPTIVE NEURAL DYNAMIC SURFACE CONTROL	25
<i>M. Wang, C. Wang</i>	
ADAPTIVE TRACKING CONTROL FOR A CLASS OF UNKNOWN NONLINEAR TIME-DELAY SYSTEMS USING NONLINEARLY PARAMETERIZED FUZZY APPROXIMATORS	31
<i>P. Li, X. Zhang, F. Jin</i>	
A FRACTIONAL-ORDER REGULATORY CV MODEL FOR BRAIN MR IMAGE SEGMENTATION	37
<i>D. Tian, D. Xue, D. Chen, S. Sun</i>	
AN INVENTORY MODEL UNDER TWO-LEVEL TRADE CREDIT WHEN DEMAND IS STIMULATED BY STOCK LEVEL	41
<i>J. Mo, L. Fu, Z. Li, J. Hao</i>	
A NAIVE PARTICLE SWARM ALGORITHM FOR CONSTRAINED OPTIMIZATION PROBLEMS	46
<i>J. Qin, B. Xie</i>	
THE RESEARCH OF SOLVE MEASUREMENT DIMENSION FOR INVERSE PROBLEM BASED ON CONVEX OPTIMIZATION	51
<i>Y. Cui, X. Li, C. Wen</i>	
OPTIMAL RELIABILITY ALLOCATION WITH MINIMUM COST FOR WEB SERVICE COMPOSITION	58
<i>C. Li, X. Fu, W. Tian, W. Wang, Y. Xia</i>	
PWM DIGITAL CONTROL OF AERATION IN WASTEWATER TREATMENT PROCESS	64
<i>W. Ding, L. Xie, Z. Wu</i>	
IMAGE CLASSIFICATION USING THREE ORDER STATISTICS IN NON-EUCLIDEAN SPACES	69
<i>S. Zhu, J. Hu, W. Sun</i>	
A NEW FLOWCHART-BASED DEVICE MONITORING AND MANAGEMENT SYSTEM	74
<i>Q. Zhu, T. Tao, Y. Xu</i>	
AN EFFICIENT REINFORCEMENT LEARNING ALGORITHM FOR CONTINUOUS ACTIONS	80
<i>B. Fu, X. Chen, Y. He, M. Wu</i>	
AN INTELLIGENCE EXPERT SYSTEM BASED ON HOOP STANDARD GRANULATOR	86
<i>K. Zhang, M. Fei, J. Wu, P. Zhang</i>	
AN OBSERVER DESIGN METHOD FOR ONE-SIDED LIPSCHITZ NONLINEAR SYSTEMS	92
<i>H. Gao, X. Cai</i>	
RESEARCH ON TECHNIQUES OF COMPUTER GAME	97
<i>H. Qiu, F. Gao, Y. Wang, Y. Ge, Q. Qiu, H. Sun</i>	
DECENTRALIZED FILTERING A MULTI-AGENT SYSTEM WITH LOCAL PARAMETRIC COUPLINGS BASED ON KALMAN FILTER	101
<i>Y. Lv, H. Ma, M. Fu, C. Yang</i>	
SEPARATION TIME ON BOUNDED CONFIDENCE OPINION MODELS	107
<i>J. Zhang, Y. Hong</i>	
LINEAR ACTIVE DISTURBANCE REJECTION DECOUPLING CONTROL OF CIRCULATING FLUIDIZED BED BOILER' COMBUSTION SYSTEM	113
<i>G. Yuan, M. Gan, Z. Lan</i>	
AGGREGATION STABILITY OF MULTIPLE AGENTS WITH GENERAL NONLINEAR ATTRACTION/REPULSION FORCES AND INTERACTION TIME DELAYS	119
<i>W. Pan, Y. Zheng</i>	
OVERLAPPING COMMUNITY DETECTION IN COMPLEX NETWORKS BASED ON THE BOUNDARY INFORMATION OF DISJOINT COMMUNITY	125
<i>Y. Li, G. Liu, S. Lao</i>	
STATE AND OUTPUT FEEDBACK REGULARIZATION FOR DESCRIPTOR SYSTEMS BY KALMAN CANONICAL FORM	131
<i>J. Wang, G. Zhang</i>	
ROBUST STABILIZATION OF A CLASS OF UNCERTAIN NONLINEAR SWITCHED SYSTEMS WITH DELAYED CONTROL	137
<i>W. Qin, Z. Liu, Z. Chen, Y. Dong</i>	
STABILIZATION OF A CLASS OF NETWORKED SWITCHED FUZZY SYSTEMS	143
<i>J. Wang, D. Ma, J. Luo, J. Zhao</i>	

GLOBAL EXPONENTIAL STABILITY OF NONLINEAR IMPULSIVE DISCRETE SYSTEMS WITH TIME DELAY	148
<i>K. Zhang, X. Liu</i>	
PASSIVITY AND FEEDBACK DESIGN OF NONLINEAR MARKOVIAN JUMP SYSTEMS	154
<i>Z. Lin, J. Liu, W. Zhang, Y. Niu</i>	
RESEARCH ON DISTURBANCE IN NEARSPACEVEHICLE LONGITUDINAL TRAJECTORY SYSTEM	159
<i>N. He, Q. Gao, C. Gong, C. Jiang</i>	
SOLUTION TO A TYPE OF NONHOMOGENEOUS GENERALIZED SYLVESTER EQUATIONS	163
<i>G. Duan</i>	
EXPONENTIAL STABILITY OF A COUPLED HEAT-ODE SYSTEM	169
<i>D. Zhao, J. Wang</i>	
ROBUST ATTITUDE DECENTRALIZED TRACKING CONTROL FOR A 3-DOF HELICOPTER WITH UNKNOWN INPUT TIME-DELAY	173
<i>Y. Yu, C. Sun</i>	
A CONTROL METHOD BASED ON SMITH ESTIMATOR APPLIED IN CLOSED-LOOP I-FOG	178
<i>X. Li, H. Yuan, H. Gao, Z. Shao, J. Lu, Y. Wang</i>	
IMPROVED DELAY-RANGE-DEPENDENT STABILITY CRITERIA FOR CONTINUOUS LINEAR SYSTEMS WITH TIME-VARYING DELAY	182
<i>T. Wang, A. Wu</i>	
NON-LINEAR OSCILLATIONS IN TCP NETWORKS WITH DROP-TAIL BUFFERS	188
<i>N. Malangadan, H. Rahman, G. Raina</i>	
DESIGN OF DELAY LINE OF AUTOMATICALLY CONTROLLING MESSAGE CACHE TIME	195
<i>H. Liu, J. Gao, Q. Liu, J. Ma</i>	
HYBRID MODELING AND PREDICTIVE CONTROL OF A FRACTIONATED SATELLITE SYSTEM: A MIXED LOGICAL DYNAMICAL APPROACH	198
<i>X. Shi, H. Liu, L. Li</i>	
EXPONENTIAL STABILIZATION FOR LINEAR SYSTEMS WITH ACTUATOR SATURATION VIA INTERMITTENT CONTROL	204
<i>Y. Wang, W. Li, W. Yang, Z. Zuo, M. Chen</i>	
CONTROLLER DESIGN OF NONLINEAR SYSTEM FOR FULLY TRACKABLE AND PARTIALLY TRACKABLE PATHS BY COMBINING ZD AND GD	209
<i>Y. Zhang, M. Li, Y. Yin, L. Jin, X. Yu</i>	
THE INDIRECT ADAPTIVE FUZZY PREDICTIVE CONTROL OF HYPERSONIC VEHICLE	215
<i>P. Guan, S. Wang, X. Liu</i>	
FINITE-TIME ROBUST OPTIMAL PASSIVE CONTROL FOR A CLASS OF UNCERTAIN NONLINEAR SYSTEMS	221
<i>J. Song, S. He</i>	
NONLINEAR LARGE DISTURBANCE ATTENUATION CONTROLLER DESIGN BASED ON BACKSTEPPING METHOD	226
<i>L. Ting, J. Nan, J. Yuanwei</i>	
LEADER-FOLLOWER FORMATION CONTROL BASED ON LOGIC CONTROL NETWORKS APPROACH	231
<i>L. Zhang, J. Feng, H. Lv</i>	
LATERAL CONTROL OF AUTONOMOUS VEHICLES BASED ON FUZZY LOGIC	237
<i>X. Wang, M. Fu, Y. Tang, H. Ma</i>	
SHIP COURSE-KEEPING ADAPTIVE FUZZY CONTROLLER DESIGN USING COMMAND FILTERING WITH MINIMAL PARAMETRIZATION	243
<i>J. Ren, X. Zhang</i>	
UNDERACTUATED SHIP WAY-POINTS TRACK CONTROL USING REPETITIVE LEARNING NEUROFUZZY	248
<i>Y. Zhuo, C. Guo</i>	
ACTIVE FRONT STEERING SYSTEM USING ADAPTIVE SLIDING MODE CONTROL	253
<i>D. Truong, W. Tomaske</i>	
RESEARCH OF DIRECT-DRIVE XY TABLE CONTOURING CONTROL BASED ON NURBS INTERPOLATOR	259
<i>L. Wang, R. Liu</i>	
TERMINAL SLIDING MODE CONTROL OF SECOND-ORDER SYSTEMS WITH BOUNDED INPUT	265
<i>S. Ding, C. Zhang, X. Li</i>	
FURTHER RESULT ON DECENTRALIZED STABILIZATION VIA SATURATED DELAYED FEEDBACK	270
<i>Z. Wu, H. Ye, W. Gui, C. Yang</i>	
SIMULTANEOUS TRAFFIC COUNT AND RAMP FLOW ESTIMATION FOR MULTILANE FREEWAYS BASED ON MARKOV MODELS	276
<i>Y. Ma, L. Zhang, L. Zhang</i>	
NEW RESULTS ON FUZZY-MODEL-BASED STABILITY CRITERIA OF NONLINEAR NETWORKED CONTROL SYSTEMS	282
<i>B. Tang</i>	
INPUT-TO-STATE STABILITY FOR NONLINEAR SYSTEMS WITH LARGE DELAY PERIOD BASED ON SWITCHING TECHNIQUES	288
<i>X. Sun, L. Wang, W. Wang, G. Tan</i>	
NETWORKED H_∞ FILTER WITH BOUNDED PACKET DROPOUTS	292
<i>W. Che, X. Jin</i>	

DISTRIBUTED FINITE-TIME CONTAINMENT CONTROL FOR MULTI-AGENT SYSTEMS WITH MULTIPLE DYNAMIC LEADERS	298
<i>Y. Zhao, Z. Duan</i>	
CLUSTER SYNCHRONIZATION OF STOCHASTIC PERTURBED COMPLEX NETWORKS WITH TIME-VARYING DELAYS	304
<i>Y. Zhao, J. Feng, J. Wang</i>	
PINNING SYNCHRONIZATION OF SWITCHING DIRECTED NETWORKS WITH LORENZ-TYPE NODES	310
<i>G. Wen, W. Yu, J. Cao</i>	
VELOCITY-FREE COMPACT RIGID FLOCK CONTROL WITH INPUT SATURATIONS	316
<i>M. Fan, Z. Chen, H. Zhang</i>	
NAVIGATION OF MICRO AERIAL VEHICLE IN UNKNOWN ENVIRONMENTS	322
<i>S. Meng, J. Xiang, Z. Luo</i>	
THE APPLICATION OF MAXIMUM DIFFERENTIAL ALGORITHM IN ADAPTIVE OCEAN SAMPLING	328
<i>Q. Li, J. Gao, S. Guan, B. Zhang, Z. Leng</i>	
VISUAL MEASUREMENT AND CONTROL FOR UNDERWATER ROBOTS: A SURVEY	333
<i>F. Sun, J. Yu, D. Xu</i>	
SYNCHRONIZED MOTION OF MASTER-SLAVE AUTONOMOUS UNDERWATER VEHICLES VIA COMMUNICATION CHANNEL WITH LIMITED CAPACITY	339
<i>Z. Wu, X. Wu</i>	
SATELLITE RELATIVE DYNAMIC IN TERMS OF MEAN MOTION ON A ZONE HARMONIC PERTURBED ELLIPTICAL ORBIT	345
<i>G. Xu, F. Xiang</i>	
UNDERWATER TARGET BEARING ONLY TRACKING BASED ON FIRST ORDER DIVIDED DIFFERENCE FILTER	351
<i>J. Xu, H. Wang, A. Zhang</i>	
ON ASYMPTOTIC CLOSED-LOOP PERFORMANCE FOR LINEAR MPC WITH TERMINAL CONSTRAINTS	357
<i>J. Maree, L. Imsland</i>	
OPTIMAL TORQUE CONTROL CONSTRAINT RIGID SPACECRAFT ATTITUDE MANEUVER WITH CONSTRAINTS	363
<i>M. Shang, T. Zhang, J. Song</i>	
NOVEL PARTICLE SWARM OPTIMIZATION FOR UNCONSTRAINED PROBLEMS	368
<i>P. Wu, J. Zhang</i>	
THE BANG-BANG-ADJUST CONTROL ALGORITHM AND SIMULATION DURING THE SWING-UP PROCESS OF CIRCULAR RAIL INVERTED PENDULUM	373
<i>X. Hou, H. Yu, C. Chen</i>	
MOBILE ROBOT ACTIVE VISUAL LOCALIZATION: DUAL QUATERNION METHOD	379
<i>X. Qi, B. Wang</i>	
THE DESIGN AND SIMULATION OF CONTROLLERS FOR HIGH ORDER SYSTEM	385
<i>T. Yi, C. Wang, X. Zhao, J. Li, Y. Shi</i>	
RESEARCH ON ADVANCED CONTROL STRATEGIES FOR WIND TURBINE VARIABLE-PITCH SYSTEM	390
<i>J. Su, Y. Zhao, W. Fu, X. Zeng</i>	
THE TS&SS ALGORITHM FOR VEHICLE ROUTING PROBLEM	396
<i>J. Ge, T. Wang, H. Wang</i>	
AN IMPROVED ARTIFICIAL BEE COLONY ALGORITHM	401
<i>H. Liu, L. Gao, X. Kong, S. Zheng</i>	
MULTI-OBJECTIVE OPTIMIZATION TORQUE CONTROL OF WIND TURBINE BASED ON LQG OPTIMAL CONTROL	405
<i>X. Wang, S. Hou, S. Wang, Y. Liu, L. Li</i>	
SOLVING INTEGER PROGRAMMING PROBLEMS BY AN IMPROVED HARMONY SEARCH ALGORITHM	409
<i>P. Wu, J. Zhang, S. Li</i>	
PRODUCT RECYCLING NETWORK DESIGN WITH RECOVERY RATE TAKEN INTO CONSIDERATION UNDER FUZZY ENVIRONMENT	414
<i>Y. Gao, B. Chen, J. Wang</i>	
A NEW MORPHOLOGICAL DENOISING ALGORITHM TO REMOVE THE NOISE OF POWER SIGNALS	419
<i>Y. Zhu, C. Huang</i>	
RESEARCH ON TORQUE RIPPLE SUPPRESSION TECHNIQUES FOR BRUSHLESS DC MOTOR	424
<i>H. Liu, J. Wang, J. Zhang, Y. Wu</i>	
ADAPTIVE FUZZY DSC CONTROL BASED ON ISPS FOR HYPERSONIC VEHICLE	430
<i>C. Hu, Y. Liu</i>	
ON THE TEMPERATURE CONTROL OF MICRO-FERMENTATION TANK BASED ON SINGLE NEURON PID ALGORITHM	436
<i>Y. Wang, Y. Li</i>	
MODIFIED PROJECTIVE SYNCHRONIZATION OF HYPER-CHAOTIC SYSTEMS WITH NONLINEAR ADAPTIVE-IMPULSIVE CONTROL	440
<i>R. Wu, D. Cao</i>	
ROBUST ADAPTIVE CONTROL WITH UNMODELED DYNAMICS AND UNKNOWN DEAD-ZONES	444
<i>X. Shi, T. Zhang, Q. Zhu</i>	

ADAPTIVE FAULT-TOLERANT CONTROL FOR TIME-DELAY SYSTEMS WITH SATURATION NONLINEARITY AND L_2-DISTURBANCES	450
<i>W. Guan, L. Guo</i>	
ADAPTIVE FAULT-TOLERANT CONTROL FOR TIME-DELAY SYSTEMS WITH SATURATION NONLINEARITY	456
<i>Q. Guan, Q. Li, H. Zheng</i>	
ADAPTIVE-IMPULSIVE SYNCHRONIZATION OF A CLASS OF DELAYED CHAOTIC SYSTEMS WITH UNCERTAIN PARAMETERS	462
<i>Y. Wang, T. Ma</i>	
SIMULATED ANNEALING BASED FUZZY MARKOV GAME ENERGY MANAGEMENT FOR SMART GRIDS	467
<i>C. Zang, X. Qin, X. Jin, W. Che</i>	
SYNCHRONIZATION OF NONLINEARLY COUPLED COMPLEX NETWORKS UNDER PERIODICALLY INTERMITTENT PINNING CONTROL	473
<i>X. Liu, C. Cheng</i>	
A REDUNDANT ADAPTIVE ROBUST FILTERING ALGORITHM BASED ON CUBATURE KALMAN FLITER	479
<i>S. Wan, Y. Yang, Z. Jing</i>	
ON THREE DISCRETE-TIME ADAPTIVE ILCS FOR DIFFERENT NONLINEAR UNCERTAIN SYSTEMS	485
<i>R. Chi, D. Zhang, Z. Hou, D. Wang</i>	
ESTIMATOR WITH FORGETTING FACTOR OF CORRENTROPY AND RECURSIVE ALGORITHM FOR TRAFFIC NETWORK PREDICTION	490
<i>W. Ma, H. Qu, J. Zhao</i>	
NEURAL NETWORK-BASED ADAPTIVE TRACKING CONTROL FOR A CLASS OF UNCERTAIN STOCHASTIC NONLINEAR PURE-FEEDBACK SYSTEMS	495
<i>R. Wang, F. Yu, J. Wang</i>	
ITERATIVE LEARNING CONTROL ALGORITHM FOR A CLASS OF SINGULAR SYSTEMS WITH DELAY	501
<i>S. Tian, T. Hu, H. Tian</i>	
OPTIMAL CONTROL OF PSEUDOPARABOLIC EQUATIONSWITH POINTWISE OBSTACLE TYPE CONSTRAINTS	505
<i>Y. Xu, Z. Ouyang, C. Xiao</i>	
DESIGN AND IMPLEMENT OF ARM- BASED TOBACCO FEEDING CONTROL SYSTEM	510
<i>L. Li, S. Gao, Q. Luo, Z. Kuang</i>	
SIMULATION AND RESEARCH OF REGISTER CONTROL SYSTEM BASED ON SLIDING MODE VARIABLE STRUCTURE	514
<i>M. Yang, S. Zhang</i>	
OUTPUT FEEDBACK VARIABLE STRUCTURE CONTROL FOR UNCERTAIN TIME-VARYING DELAY SYSTEMS - DESCRIPTOR SYSTEM APPROACH	520
<i>P. Ci, S. Ma, Y. Liu</i>	
PIECEWISE-REACHING-LAW BASED DISCRETE VARIABLE STRUCTURE REPETITIVE CONTROL	526
<i>X. Wu, M. Sun, Y. Hu</i>	
ANTI-SURGE SWITCHING CONTROL OF CENTRIFUGAL COMPRESSOR BASED ON CONTROL PERFORMANCE ASSESSMENT	532
<i>X. Wang, P. Zhang, J. Wang</i>	
THE BP NEURAL NETWORK'S GA OPTIMIZATION AND ITS REALIZATION ON MATLAB	536
<i>H. Peng</i>	
DISCRETE-TIME SECOND ORDER SLIDING MODE CONTROL FOR PERMANENT RING TORQUE MOTOR	540
<i>Y. Sun, H. Liu</i>	
ROBUST OPTIMAL GUIDANCE FOR HYPERSONIC GLIDE VEHICLE WITH HINGE MOMENT CONSTRAINT	544
<i>W. Cai, L. Yang, X. Liu, Y. Zhu</i>	
LOAD TORQUE OBSERVER BASED SLIDING MODE CONTROL METHOD FOR PERMANENT MAGNET SYNCHRONOUS MOTOR	550
<i>C. Zhang, L. Jia, J. He</i>	
DESIGN OF TERMINAL SLIDING-MODE GUIDANCE LAW WITH ATTACK ANGLE CONSTRAINTS	556
<i>H. Zhou, S. Song, M. Xu, J. Song</i>	
FINDING THE MODEL PARAMETERS OF PHOTOVOLTAIC (PV) MODULES BY A NOVEL MODIFIED DIFFERENTIAL EVOLUTION ALGORITHM	561
<i>D. Zou, X. Wang</i>	
GENERAL REACTIVE POWER OPTIMIZATION OF DISTRIBUTION NETWORK BASED ON POWER LOSS SENSITIVITY ANALYSIS	566
<i>M. Zhan, Q. Shang, L. Ling</i>	
TRAJECTORY OPTIMIZATION FOR TERMINAL PHASE FLIGHT OF HYPERSONIC REENTRY VEHICLES WITH MULTI-CONSTRAINTS	571
<i>Y. Liao, H. Li</i>	
DIFFERENTIAL EVOLUTION ALGORITHM BASED ON SELF-ADAPTIVE ADJUSTMENT MECHANISM	577
<i>X. Wang, S. Zhao, Y. Jin, L. Zhang</i>	

NODE LOCALIZATION ALGORITHM BASED ON UKF FILTERING WITH TOF	582
<i>Q. Zeng, J. Liu, A. Kemp, Y. He</i>	
RESEARCH ON BEYOND VISUAL RANGE TARGET ALLOCATION AND MULTI-AIRCRAFT COLLABORATIVE DECISION-MAKING	586
<i>L. Fu, J. Liu, G. Meng, F. Xie</i>	
SITUATION ASSESSMENT FOR BEYOND-VISUAL-RANGE AIR COMBAT SITUATION ASSESSMENT BASED ON DYNAMIC BAYESIAN NETWORK	591
<i>L. Fu, J. Liu, F. Chang, G. Meng</i>	
GLOBALLY ADAPTIVE PATH TRACKING CONTROL OF UNDERACTUATED SHIPS	595
<i>W. Wang, J. Huang</i>	
ADAPTIVE CONTROL FOR A CLASS OF TIME-DELAY NONLINEAR SYSTEMS WITH UNKNOWN CONTROL COEFFICIENTS	601
<i>Z. Liu, Y. Wu</i>	
L_1 ADAPTIVE CONTROLLER WITH ADDITIONAL UNCERTAINTY BIAS ESTIMATION	607
<i>J. Cooper, C. Cao</i>	
ADAPTIVE CONTROL FOR A CLASS OF SWITCHED NONLINEAR SYSTEMS VIA BACKSTEPPING RECURSIVE DESIGN	612
<i>C. Wang</i>	
ADAPTIVE ITERATIVE LEARNING CONTROL BASED ON CHARACTERISTIC MODEL	617
<i>Q. Huang, X. He, D. Li</i>	
FAULT-TOLERANT CONTROL FOR SEMI-AUTONOMOUS DAMPER	623
<i>Y. Li, B. Gao, W. Guan</i>	
A DECISION MODEL BASED ON THE CHARACTERISTICS OF COMPLEX PROJECTS OUTSOURCING	629
<i>Xujiejun</i>	
OPTIMAL TRACKING PERFORMANCE WITH MODEL UNCERTAINTY OVER A QUANTIZED CONTROL INPUT	633
<i>M. Chi, Z. Guan, F. Yuan, X. Zhan</i>	
EXPLICIT HYBRID MODEL PREDICTIVE CONTROL OF THE FORWARD DC-DC CONVERTER	638
<i>Y. Shen, L. Xie, X. Li</i>	
ONE DIMENSIONAL TRAJECTORY OPTIMIZATION FOR HORIZONTAL POSITION CORRECTION OF SPOT HOVERING STRATOSPHERE AIRSHIP	643
<i>L. Hong, X. Lin, W. Lan</i>	
VARIATION BASED SHOOTING METHOD FOR THE VARIABLE TIME IMPULSIVE SYSTEM OPTIMIZATION	649
<i>X. Wang, Y. Huang, Z. Miao, H. Wang</i>	
THE ALGORITHM OF FRACTAL IMAGE BLOCK CODING BASED ON THE ORTHO DIFFERENCE SUM	655
<i>S. Li, L. Liu</i>	
AN IMPROVED ON-LINE EXTREME LEARNING MACHINE ALGORITHM FOR SUNSPOT NUMBER PREDICTION	660
<i>B. Li, X. Rong</i>	
SIFT-BASED CAMERA TAMPER DETECTION FOR VIDEO SURVEILLANCE	665
<i>H. Yin, X. Jiao, X. Luo, C. Yi</i>	
FINITE-TIME ITERATIVE LEARNING CONTROL: FEEDBACK-AIDED STRATEGIES	669
<i>M. Sun, G. Zhou, H. Bi</i>	
FEEDBACK-AIDED ITERATIVE LEARNING CONTROL	675
<i>M. Sun, H. Wang, H. Bi</i>	
CLOUD DROPLETS EVOLUTION ALGORITHM FOR MULTI-OBJECTIVE OPTIMIZATION	681
<i>W. Li, L. Wang, B. Wang, R. Fei, X. Hei</i>	
IMAGE MAGNIFICATION USING FRACTIONAL ORDER LEVEL SET RECONSTRUCTION	687
<i>S. Sun, D. Xue, D. Chen</i>	
DISTRIBUTED ADAPTIVE ATTITUDE SYNCHRONIZATION OF MULTIPLE SPACECRAFT WITH EXTERNAL DISTURBANCES	692
<i>D. Yang, X. Liu, C. Gan, Y. Guo</i>	
TRAJECTORY PLANNING ALGORITHMS FOR UNMANNED AERIAL VEHICLES	698
<i>Z. Liu, F. Tan</i>	
NECESSARY CONDITION OF CONSENSUS FOR AFFINE MULTI-AGENT SYSTEMS UNDER TIME-VARYING DIRECTED NETWORKS	702
<i>Y. Zheng, J. Jin</i>	
FINITE TIME CONTAINMENT CONTROL OF NONLINEAR MULTI-AGENT NETWORKS	707
<i>D. Yu, L. Bai, W. Ren</i>	
RESEARCH ON CLOSED-LOOP SUPPLY CHAIN BUY BACK CONTRACT OF ANTI-DISRUPTION WHEN DEMAND AND PRODUCTION COST DISRUPTIONS	713
<i>D. Wei, Y. Wang, Z. Zhang</i>	
PINNING ADAPTIVE AND IMPULSIVE SYNCHRONIZATION OF STOCHASTIC UNCERTAIN COMPLEX DYNAMICAL NETWORKS	720
<i>G. Wang, J. Xiao</i>	
DYNAMIC OUTPUT FEEDBACK ROBUST MODEL PREDICTIVE CONTROL BASED ON ELLIPSOIDAL ESTIMATION ERROR BOUND FOR QUASI-LPV SYSTEMS	726
<i>X. Ping, B. Ding</i>	

MULTIPLE-MODEL OFF-LINE PREDICTIVE CONTROL FOR FAST TIME-VARYING SYSTEMS	732
<i>X. Tao, N. Li, S. Li</i>	
A FAST ALGORITHM FOR MPC BASED ON AGGREGATION STRATEGY	738
<i>C. Lu, D. Li, Y. Xi</i>	
MODEL PREDICTIVE CONTROL FOR PERIODIC SYSTEMS VIA DYNAMIC OUTPUT FEEDBACK SCHEME	744
<i>Q. Chen, D. He, H. Huang</i>	
DATA-DRIVEN PREDICTIVE CONTROL FOR THE INDUSTRIAL PROCESSES WITH MULTIPHASE AND TRANSITION	749
<i>H. Yang, S. Li</i>	
HOMOTETIC TUBE MPC FOR CONSTRAINED LINEAR DIFFERENCE INCLUSIONS	754
<i>S. Rakovic, Q. Cheng</i>	
QUANTIZED FEEDBACK CONTROL FOR MARKOV JUMP LINEAR SYSTEMS WITH INCOMPLETE TRANSITION PROBABILITIES	762
<i>Z. Zuo, C. Liu, Y. Wang</i>	
DECENTRALIZED STABILIZATION FOR NONLINEAR COUPLED COMPLEX DYNAMICAL NETWORKS WITH DISTINCT NODES	767
<i>L. Zhang, Y. Wang, Q. Wang</i>	
EVENT-TRIGGERED CONTROL STRATEGY FOR MULTI-AGENT SYSTEMS WITH TIME-VARYING DELAYS	772
<i>H. Wang, X. Chen, F. Hao</i>	
NECESSARY AND SUFFICIENT CONDITIONS FOR SOLVING LEADER-FOLLOWING PROBLEM OF MULTI-AGENT SYSTEMS WITH COMMUNICATION NOISES	778
<i>Y. Wang, L. Cheng, Z. Hou, M. Tan, H. Liu, M. Wang</i>	
CHARACTERIZING THE EFFECT OF NETWORK STRUCTURE ON EVOLUTIONARY DYNAMICS VIA A NOVEL MEASURE OF STRUCTURAL HETEROGENEITY	784
<i>S. Tan, J. Lu, X. Yu, D. Hill</i>	
FURTHER RESULT ON SERVOMECHANISM DESIGN OF TIME-VARYING NONLINEAR SYSTEMS IN OUTPUT-FEEDBACK NORMAL FORM	790
<i>X. Yang, X. Wang</i>	
DESIGN OF FORMATION FLIGHT CONTROL BASED ON VIRTUAL BODY FRAME OF THE TEAM FORMATION	796
<i>X. Shi, J. Yang</i>	
THE ANALYSIS OF PROJECTIVE SYNCHRONIZATION FOR TWO DYNAMICAL GYROS	801
<i>F. Min, S. Shao, E. Wang, X. Wu</i>	
DYNAMICAL BEHAVIORS OF A NONLINEAR PRODUCTION-INVENTORY SUPPLY CHAIN SYSTEM	805
<i>J. Jia</i>	
MODELING AND CONTROL OF A STRATOSPHERIC SATELLITE	811
<i>M. Xu, W. Huo</i>	
GENERALIZED PREDICTIVE CONTROL OF PMSM	816
<i>J. Yang, P. Zhang, X. Liu</i>	
SUMMARY OF DETECTION AND LOCATION FOR OIL AND GAS PIPELINE LEAK	821
<i>L. Wang, J. Wang, X. Gao, M. Wang</i>	
COMPONENT BASED SOFTWARE DESIGN AND DEVELOPMENT OF FROTH FLOTATION VISUAL MONITORING SYSTEM	827
<i>Z. Tang, H. Liu, J. Liu, W. Gui</i>	
RESEARCH ON PREDICTION MODEL OF BENDING FORCE BASED ON BP NEURAL NETWORK WITH LM ALGORITHM	832
<i>X. Li, S. Liu, H. Li, J. Wang, T. Zhang</i>	
SPEED OPTIMIZATION TECHNOLOGY OF PROCESS CONTROL IN PICKLING LINE AND TANDEM COLD MILL	837
<i>X. Zhu, D. Zhang, L. Peng, K. Wang, J. Song</i>	
THE ANALYSIS AND IMPROVEMENT OF FGC STRATEGY ON FIVE TANDEM COLD MILL	841
<i>Z. Xiao</i>	
MULTI-OBJECTIVE OPTIMIZATION OF ROLLING SCHEDULES FOR TANDEM HOT ROLLING BASED ON OPPOSITION LEARNING MULTI-OBJECTIVE GENETIC ALGORITHM	846
<i>Y. Li, X. Zhao, Y. Wang, M. Ren</i>	
A PARTICLE SWARM OPTIMIZATION ALGORITHM ON THE SURGERY SCHEDULING PROBLEM WITH DOWNSTREAM PROCESS	850
<i>Y. Wang, Y. Miao, H. Zhu, J. Tang</i>	
AN APPROXIMATION TO THE COMPLETION TIME DISTRIBUTION FOR A PROBABILISTIC ACTIVITY NETWORK WITH THE TIME-SCHEDULE CONSTRAINTS	856
<i>S. Tu, Z. Liu</i>	
AN EFFECTIVE INVASIVE WEED OPTIMIZATION ALGORITHM FOR THE FLOW SHOP SCHEDULING WITH INTERMEDIATE BUFFERS	861
<i>H. Sang, Q. Pan</i>	
ECONOMIC DISPATCH OF HYDRO POWER SYSTEM BASED ON BACTERIAL FORAGING OPTIMIZATION ALGORITHM	865
<i>G. Wu</i>	

APPLICATION OF THE STEEPEST DESCENT APPROXIMATE LINEAR PROGRAMMING ON CYCLIC CLEANING SCHEDULING OF BOILER	869
<i>P. Liu, X. Ma, D. Gao, B. Zhang</i>	
MULTI-DEPOTS DISTRIBUTION PROBLEM STUDY BASED ON RICH NETWORK ROAD MODEL	875
<i>C. Yao, G. Zhang, B. Zhang, S. Zhong</i>	
MULTI-TARGET PASSIVE LOCATION BASED ON THE ALGORITHM OF TDOA-CAMBERRA	881
<i>X. Xu, W. Chen, M. Jiang</i>	
A REAL TIME DUAL-CAMERA SURVEILLANCE SYSTEM BASED ON TRACKING-LEARNING-DETECTION ALGORITHM	886
<i>J. Hu, S. Hu, Z. Sun</i>	
ISOLATING SHIPS FROM SHAPE CURVE WITH DBSCAN	892
<i>Y. Xu, M. Zhu, Z. Ke, Y. Liu, S. Sun</i>	
AN ADAPTIVE THRESHOLD EDGE DETECTION METHOD BASED ON THE LAW OF GRAVITY	897
<i>Z. Li, Z. Yang, W. Wang, J. Cui</i>	
A NEW MOVING OBJECTS DETECTION METHOD BASED ON IMPROVED SURF ALGORITHM	901
<i>J. Pan, W. Chen, W. Peng</i>	
ACTIVE AND PASSIVE ON-ARMORED VEHICLE RADAR WITH DATA ASSOCIATION BASED ON INTERACTED MULTISENSOR JOINT PROBABILISTIC ALGORITHM	907
<i>A. Zhang, W. Chen, M. Jiang</i>	
THE DESIGN AND IMPLEMENTATION OF A SURAKARTA GAME SYSTEM	912
<i>S. Li, X. Yuan, B. Wen, J. Li</i>	
PROLOG WITH BEST FIRST SEARCH	917
<i>B. Lu, Z. Liu</i>	
TECHNIQUE ANALYSIS AND DESIGNING OF PROGRAM WITH UCT ALGORITHM FOR NOGO	923
<i>R. Li, Y. Wu, A. Zhang, C. Ma, B. Chen, S. Wang</i>	
IMPLEMENTATION OF COMMON PLATFORM FOR TWO-PERSON GAME	929
<i>H. Qiu, Fuxiang Gao, Y. Wang, X. Song, Q. Qiu, Y. Sun</i>	
A REGION-DIVIDED SEARCH ALGORITHMS FOR GAME AMAZONS	933
<i>H. Xu, Y. Xing, G. Zuo</i>	
A PATTERN BASED INCREMENTAL MODEL IN K-IN-A-ROW GAMES	939
<i>C. Xu, Z. Ma, C. Yu, X. Xu</i>	
THE APPLICATION OF ADAPTIVE REDUCTION GENETIC ALGORITHM IN RADAR EQUIPMENT DAMAGE EVALUATION METHOD	945
<i>Y. Zhang, W. Pan</i>	
AN ASTEROID LANDING LOCATION ALGORITHM BASED ON IMAGE FEATURE	951
<i>J. Li, R. Zhang, R. Wei, Y. Zhang</i>	
CLASSIFICATION OF MULTIVARIATE TIME SERIES USING SUPERVISED NEIGHBORHOOD PRESERVING EMBEDDING	957
<i>X. Weng</i>	
IMAGE SEARCH VIA NON-PARAMETRIC QUANTUM THEORY RANKING	962
<i>S. Zhu, W. Sun, J. Hu</i>	
RELEVANCE-QUALITY RANKING BASED IMAGE RETRIEVAL	967
<i>S. Zhu, Q. Luo, J. Hu</i>	
HYBRID DYNAMIC PREDICTION MODEL OF BUS ARRIVAL TIME BASED ON WEIGHTED OF HISTORICAL AND REAL-TIME GPS DATA	972
<i>J. Gong, M. Liu, S. Zhang</i>	
RESEARCH AND PRACTICE OF DECOUPLING CONTROL BASED ON THE DUAL-CHAMBER ELECTRIC FURNACE	977
<i>M. Wang, T. Wang, B. Hu, F. Ji</i>	
FORECASTING URBAN TRAFFIC FLOW BY SVR	981
<i>J. Gong, L. Qi, M. Liu, X. Chen</i>	
THE APPLICATION OF ADAPTIVE GENETIC REDUCTION ALGORITHM IN PULSE DOPPLER RADAR	985
<i>G. Xu, W. Pan</i>	
EFFECT ANALYSIS OF DATA DROPOUT ON ITERATIVE LEARNING CONTROL	991
<i>X. Bu, Z. Hou, R. Chi</i>	
EXPERT EVIDENCE DOCUMENT RECOGNITION INTEGRATING RELATIONSHIP OF EXPERT	997
<i>M. Wang, T. Shen, Z. Yu</i>	
DESIGN AND APPLICATION OF INTELLIGENT INFORMATION SUPPORT SYSTEM FOR THE NAVAL SHIPS SYNTHESIS OPERATIONS	1003
<i>L. Duan, Q. Li, B. Luo</i>	
STUDIES ON ECONOMIC/ENVIRONMENTAL DISPATCH FOR POWER SYSTEM INTEGRATED WITH WIND FARMS	1008
<i>H. Sun</i>	
MODELING THE EFFECTS OF NO-SHOWS FOR A SINGLE-PHYSICIAN CLINIC CONSIDERING PATIENT CHOICE	1013
<i>P. Cao, J. Tang, C. Yan</i>	
POWER SYSTEM REACTIVE POWER OPTIMIZATION BASED ON GLOBAL DIFFERENTIAL EVOLUTION ALGORITHM	1019
<i>P. Wu, J. Zhang</i>	

RESEARCH ON INFORMATION SHARING PROBLEM IN RETAILER-DOMINANT SUPPLY CHAIN BASED ON THE MAS	1023
<i>Yaoqun Xu, X. Zhu</i>	
THE SOLUTION OF NEWSVENDOR PROBLEM BASED ON VALUE -AT-RISK	1029
<i>P. Wen, L. Qin</i>	
A NEW ADAPTIVE INVENTORY CONTROL METHOD FOR SUPPLY CHAINS WITH NON-STATIONARY DEMAND	1034
<i>K. Zhang, J. Xu, J. Zhang</i>	
FAULT DETECTION OF DELTA OPERATOR FORMULATED NETWORKED CONTROL SYSTEMS	1039
<i>D. Zhang, H. Zhou</i>	
POLE RELIABLE ASSIGNMENT OF PARABOLIC REGION WITH DYNAMIC OUTPUT FEEDBACK	1044
<i>B. Yao, J. Rong, H. Hu</i>	
FAULT DETECTION FOR SYSTEMS WITH MISSING MEASUREMENTS	1050
<i>C. Qiao, S. Sun</i>	
FAULT DETECTION FILTER DESIGN FOR SWITCHED FUZZY SYSTEMS WITH AVERAGE DWELL TIME	1054
<i>J. Li, Q. Su, H. Wang</i>	
MOTOR FAULT DIAGNOSIS OF RBF NEURAL NETWORK BASED ON IMMUNE GENETIC ALGORITHM	1060
<i>G. Yuan, S. Qin, M. Gan</i>	
EARLY CLASSIFICATION FOR BEARING FAULTS OF ROTATING MACHINERY BASED ON MFES AND BAYESIAN NETWORK	1066
<i>W. Guo, Q. Zhou, Y. Hou, Z. Zhu, J. Yang, B. Zhang</i>	
FAULT DIAGNOSIS FOR NON-GAUSSIAN STOCH DISTRIBUTION SYSTEMS USING ITERATIVE LEARNING OBSERVER	1072
<i>L. Yao, W. Cao</i>	
RESEARCH ON FAULT DETECTION OF TENNESSEE EASTMAN PROCESS BASED ON PCA	1078
<i>D. Chen, Z. Li</i>	
CONDITION MONITORING OF ROLLING ELEMENT BEARING BASED ON PHASE-PCA	1082
<i>L. Jiang, Z. Liu, J. Cui, Z. Li</i>	
IMPERIAL SMELTING FURNACE FAULT PREDICTION MODEL BASED ON HAMMERSTEIN MODEL USING LEAST SQUARES SUPPORT VECTOR MACHINES	1087
<i>S. Jiang, W. Gui, Z. Tang</i>	
MULTIDIMENSIONAL FEATURE EXTRACTION BASED ON VIBRATION SIGNALS OF ROLLING BEARINGS	1093
<i>J. Xi, L. Lin</i>	
LOCAL MODEL BASED KPLS WITH APPLICATION TO FAULT DETECTION OF BATCH PROCESS	1097
<i>Y. Hu, H. Ma, H. Shi</i>	
A NEW METHOD OF DETECTING LINE-SPECTRUM BASED ON AUTO-CORRELATION WITH STOCHASTIC RESONANCE THEORY	1104
<i>Z. Fu, J. Xing, R. Zhu, S. Wang, O. Yang, D. Fu</i>	
CONDITION MONITORING OF THE AIRCRAFT AIRBORNE EQUIPMENT BASED ON NEURAL NETWORK AND INFORMATION FUSION	1108
<i>J. Cui, X. Yan, L. Jiang, Y. Qi, Y. An, D. Zhang</i>	
RESEARCH OF THE FAILURE MECHANISM AND LIFETIME PREDICTION TO COOLING FANS	1113
<i>X. Wen, L. Meng, Y. Xu, L. You</i>	
FAULT DETECTION BASED ON ROBUST INDEPENDENT COMPONENT ANALYSIS AND SUPPORT VECTOR MACHINES	1117
<i>Y. Feng, J. Zhao, Y. Ji, J. Xu, Z. Shen</i>	
H_∞ ROBUST FAULT-TOLERANT CONTROL FOR A CLASS OF UNCERTAIN NONLINEAR SINGULAR SYSTEMS WITH TIME DELAY BASED ON T-S FUZZY MODELS	1123
<i>Z. Yin, W. Zheng, X. Chang, S. Lun</i>	
THE IMPROVED GREY RELATION DEGREE AND ITS APPLICATION IN NETWORK SECURITY DIAGNOSIS	1128
<i>X. Ye, C. Li</i>	
HIDDEN BEHAVIOR PREDICTION OF COMPLEX SYSTEMS BASED ON SEMI-QUANTITATIVE INFORMATION	1133
<i>Z. Zhou, C. Hu, X. Han, B. Zhang, X. Yin</i>	
NOVEL RELIABLE CONTROL DESIGNS FOR DISCRETE-TIME TAKAGI-SUGENO FUZZY SYSTEMS WITH ACTUATORS FAULTS	1139
<i>D. Zhao, F. Tao, B. Liu, D. Guan</i>	
ADAPTIVE FAULT-TOLERANT POWER AND RATE CONTROL FOR WIRELESS NETWORKS WITH TRANSMITTER FAILURES AND UNCERTAINTIES	1145
<i>C. Han, D. Sun, S. Bi, Z. Dong, Z. Lei</i>	
ROBUSTNESS AND FAULT DETECTION IN POWER SYSTEMS BASED ON PARAMETER-DEPENDENT LYAPUNOV FUNCTIONS	1151
<i>S. Xu, H. Sun, J. Yi, B. Zhao, Z. Chen</i>	
NECESSARY AND SUFFICIENT CONDITION FOR OBSERVABILITY OF BOOLEAN CONTROL NETWORKS	1157
<i>Z. Li, H. Xiao</i>	

EXPONENTIAL STABILITY OF TIME VARYING SINGULAR DISTRIBUTED PARAMETER SYSTEM	1162
<i>Z. Ge</i>	
POLE ASSIGNMENT FOR UNCERTAIN SYSTEM IN MIXED REGION.....	1167
<i>Z. An, F. Wang, B. Yao</i>	
GUARANTEED COST RELIABLE CONTROL WITH POLE CONSTRAINS FOR UNCERTAIN DELTA OPERATOR SYSTEMS.....	1172
<i>B. Yao, D. Li, H. Hu</i>	
THE RESEARCH ON PATTERNS AND UCT ALGORITHM IN NOGO GAME	1178
<i>Y. Sun, C. Liu, H. Qiu</i>	
A METHOD OF POINT EVALUATION FOR CONNECT6 AI PROPAMMING.....	1183
<i>C. Liu, X. Wang, F. Li</i>	
DECENTRALIZED MODEL PREDICTIVE CONTROL OF NONLINEAR CONTINUOUS SYSTEMS WITH CONTRACTIVE CONSTRAINTS.....	1187
<i>X. Cai, L. Xie, P. Sun</i>	
HIGH-PRECISION STABILIZATION CONTROL FOR A FLOATED INERTIAL PLATFORM.....	1193
<i>A. Li, C. Hong, S. Zhang, C. Yuan</i>	
ADVANCED PROCESS CONTROL TECHNOLOGY IMPLEMENTATION IN AMMONIA PLANT	1200
<i>H. Ren-Chu, W. Hao, G. U. Xiao-Jing</i>	
WEIGHTING MATRICES DESIGN FOR LQG CONTROLLER BASED ON DATA-DRIVEN ECONOMIC PERFORMANCE PSO.....	1205
<i>S. Minghua, X. Lei, G. Zixu</i>	
DESIGN OF A FRACTIONAL PI CONTROLLER TO CONTROL A FLOW AND LEVEL SYSTEM.....	1211
<i>J. Viola, L. Angel</i>	
ROBUST PLS MODEL BASED PRODUCT QUALITY CONTROL STRATEGY FOR SOLVENT EXTRACTION PROCESS	1217
<i>R. Jia, Z. Mao</i>	
ALTERNATE ITERATION SCHEME FOR APPROXIMATING EQUILIBRIUM STRATEGY	1223
<i>H. Shui, J. Li, W. Che, H. Baoyin</i>	
DELIVERY TIME CONTRACT DESIGN OF FOURTH PARTY LOGISTICS UNDER ASYMMETRIC INFORMATION	1229
<i>T. Jun, H. Min</i>	
BARGAINING SET, KERNEL AND NUCLEOLUS FOR MULTI-CHOICE GAMES WITH COALITION STRUCTURE.....	1234
<i>T. Li, F. Ma, W. Liu</i>	
A SUPPLY CHAIN NETWORK OLIGOPOLY MODEL USING GENETIC ALGORITHMS.....	1240
<i>R. Han, Y. Zhou, J. Wang, J. Jiang</i>	
EQUIVALENCE BETWEEN SETHI ADVERTISING MODEL AND A SCALAR LQ DIFFERENTIAL GAME	1244
<i>R. Zhang, Q. Ren</i>	
RESEARCH ON THE REALIZATION AND THE RISK OF GROUP-BUYING PATTERN	1248
<i>B. Z. Liu, D. W. Wang</i>	
ITERATIVE ALGORITHMS FOR NO-WAIT FLOWSHOP PROBLEMS WITH SEQUENCE-DEPENDENT SETUP TIMES	1252
<i>X. Zhu, X. Li, J. N. D. Gupta</i>	
REVIEW ON MODELING AND OPTIMIZATION PROBLEMS ABOUT RFID TECHNOLOGY AND APPLICATIONS.....	1258
<i>D. Wang, W. H. Ip</i>	
ON A TYPE OF GENERALIZED SYLVESTER EQUATIONS.....	1264
<i>G. R. Duan</i>	
APPOINTMENT SCHEDULING FOR ROUTINE AND URGENT PATIENTS UNDER DETERMINISTIC SERVICE TIME.....	1270
<i>C. Yan, J. Tang, H. Zhu</i>	
HISTORICAL DATA –DRIVEN NURSE FLEXIBLE SCHEDULING PROBLEM	1275
<i>H. Guo, J. Tang, G. Qu</i>	
TWO HEURISTIC ALGORITHMS OF JOB SCHEDULING PROBLEM WITH INTER-CELL PRODUCTION MODE IN HYBRID OPERATIONS OF MACHINING.....	1281
<i>C. Zeng, J. Tang, H. Zhu</i>	
AN EXTENDED OOPN MODEL AND ITS SPECIFICATION BASED ON PNML	1286
<i>X. Wu, X. Wu</i>	
A NEW CONSTRUCTION METHOD OF THE SCIENTIFIC AND TECHNOLOGICAL INNOVATION TEAM AND ITS MULTI-AGENT SIMULATION	1291
<i>S. Wei, Y. Yang, Z. Huabo, W. Weidi</i>	
PREDICTION OF TBM PENETRATION RATE BASED ON THE MODEL OF PLS-FNN.....	1295
<i>F. Ling, W. Jingcheng, G. Yang, L. Chuang, Z. Langwen</i>	
AN ASSESSMENT FRAMEWORK AND THE EFFICIENCY VALIDATION ON THE DISCRETIZATION OF THE BELIEF RULE BASE SYSTEM.....	1300
<i>J. Sun, L. Chang, Y. Tan</i>	
GENERALIZATION OF LABEL PROPAGATION ALGORITHM IN COMPLEX NETWORKS	1306
<i>A. P. Zhang, G. Ren, H. Cao, B. Z. Jia</i>	
DELAY INCLUDED DYNAMIC VIRUS SPREADING PROCESS SIMULATING	1310
<i>H. P. Zhou</i>	

RESEARCH ON FINITE-TIME STABILITY OF NONLINEAR SWITCHED SYSTEMS	1314
<i>D. Liu, Q. Huang</i>	
ASYMPTOTIC REJECTION FOR A CLASS OF SWITCHED NONLINEAR SYSTEMS WITH UNKNOWN SINUSOIDAL DISTURBANCES.....	1320
<i>L. Long, J. Zhao</i>	
DISTURBANCE ATTENUATION FOR SWITCHED LINEAR SYSTEM WITH CONTINUOUS-TIME AND DISCRETE-TIME SUBSYSTEMS: DYNAMIC OUTPUT FEEDBACK CASE	1324
<i>S. Wang, F. Long</i>	
RESEARCH ON MODELING OF WIND POWER SYSTEM IN ALL CONDITION AND PREDICTIVE CONTROL BASED ON MLD.....	1330
<i>Y. Shi, W. Liu, H. Zheng</i>	
DESIGN AND IMPLEMENTATION OF A NEW THIRD ORDER CHAOTIC SYSTEM.....	1336
<i>W. Ou, X. Lai, M. Wu, W. Cao</i>	
GUARANTEED COST CONTROL OF UNCERTAIN DISCRETE-TIME SWITCHED LINEAR SYSTEMS WITH ACTUATOR SATURATION	1341
<i>X. Zhang, J. Zhao</i>	
PREDICTION OF PROTEIN SECONDARY STRUCTURE USING MULTILAYER FEED-FORWARD NEURAL NETWORKS.....	1346
<i>J. W. Liu, G. H. Chi, H. E. Li, Y. Liu, X. L. Luo</i>	
RESOURCE ALLOCATION NETWORK BASED NEURAL PID ADAPTIVE CONTROL FOR GENERATOR EXCITATION SYSTEM.....	1352
<i>T. Zhang, J. Yang, F. Ma</i>	
SOLVING FOR TIME-VARYING INVERSE SQUARE ROOT BY DIFFERENT ZD MODELS BASED ON DIFFERENT ZHANG FUNCTIONS	1358
<i>Y. Zhang, X. Yu, Y. Xie, H. Tan, Z. Fan</i>	
VARIED ORDER ITERATIVE LEARNING LAW FOR BPNN	1364
<i>X. L. Chen, N. Chen</i>	
NEURAL NETWORK PID CONTROLLER AUTO-TUNING DESIGN AND APPLICATION	1370
<i>X. Jingjing, L. Jiaoyu</i>	
ROCK BURST CHAOTIC PREDICTION ON MULTIVARIATE TIME SERIES AND LSSVR	1376
<i>W. Wei, T. Hui, M. Xiao-Ping</i>	
A NEW METHOD BASED ON POLYTOPIC LINEAR INCLUSION FOR NONLINEAR FILTER WITH NON-GAUSSIAN NOISE.....	1382
<i>B. Liu, Z. Chen, X. Liu, F. Yang</i>	
EXISTENCE OF VISCOUS SHOCK WAVE OF A GENERALIZED HYPERBOLIC-PARABOLIC SYSTEM ARISING FROM CHEMOTAXIS.....	1388
<i>Y. Zhu, F. Cong, H. Gao, Y. Kang</i>	
EXPERIMENTAL INVESTIGATION OF A NONLINEAR DAMPER SYSTEM.....	1392
<i>Z. Lu</i>	
OPTIMAL DISTURBANCE REJECTION CONTROL FOR A CLASS OF NONLINEAR SYSTEM WITH CONTROL TIME-DELAY BY MODEL TRANSFORMATION METHOD	1398
<i>Q. Yang, D. X. Gao</i>	
FUZZY CONSTRAINED MPC OUTPUT FEEDBACK CONTROLLER DESIGN FOR NONLINEAR SYSTEMS BASED ON PARAMETER-DEPENDENT LYAPUNOV FUNCTION APPROACH	1403
<i>H.-W. Liu, K. Z. Han, X. H. Chang</i>	
MATHEMATICAL MODELING OF DIGITAL PULSE-FREQUENCY MODULATION CONTROL SYSTEMS DEVELOPED FOR OBJECTS WITH TRANSPORT DELAY	1407
<i>B. H. Aitchanov, V. V. Nikulin, O. A. Baimuratov</i>	
STATE FEEDBACK CONTROL OF CONTINUOUS SYSTEMS WITH STATE SATURATION.....	1412
<i>D. Chen, J. Liu</i>	
RELIABLE H_∞ STATE FEEDBACK CONTROLLER DESIGN FOR T-S FUZZY SYSTEMS IN FINITE FREQUENCY DOMAIN.....	1417
<i>H. Wang, H. H. Ju, Y. L. Wang</i>	
COMPUTATION AND OPTIMIZATION OF FRAME BOUNDS FOR THE LAPLACIAN PYRAMID	1423
<i>Y. Pan, L. Chai, Y. Sheng</i>	
PASSIVITY ANALYSIS OF SINGULARLY PERTURBED SYSTEMS WITH NONLINEAR UNCERTAINTIES	1429
<i>L. Zhou, C. Yang</i>	
IMPROVED RMPC BASED ON PIECE-WISED UNCERTAIN MODEL FOR UTSG WATER LEVEL CONTROL	1435
<i>F. Wang, X. Liu</i>	
INDIRECT FUZZY ADAPTIVE BACKSTEPPING CONTROLLER DESIGN FOR TCSC	1441
<i>B. Q. Zhang, L. Y. Sun</i>	
A HIGH ACCURACY SIGNAL PROCESSING SYSTEM FOR SIX-DIMENSIONAL FORCE SENSOR	1446
<i>J. Wang, G. Lang, W. Chen</i>	
DEVELOPMENT OF IMPROVED INVERSE COMPENSATOR FOR TWO-DIMENSIONAL SENSOR	1451
<i>Y. Ding, G. Liu, X. Dai</i>	
DESIGN AND REALIZATION OF PULVERIZED COAL INJECTION MONITORING SYSTEM FOR BLAST FURNACE BASED ON DATA-DRIVEN TECHNOLOGY	1455
<i>H. Yongjie, Y. Gang, W. Yutao</i>	

STUDY OF HIGH PERFORMANCE FIBER OPTIC GYROSCOPE BASED ON SLD LIGHT SOURCE	1459
<i>L. Xingshan, S. Zhihao, L. Junqing, Y. Huizheng, G. Bo, G. Huiwen</i>	
ALL DIGITAL INERTIAL NAVIGATION SIMULATING & DESIGNING SYSTEMS BASED ON OPEN ARCHITECTURE	1464
<i>Y. Huizheng, L. Xingshan, G. Huiwen, L. Junqing, S. Zhihao, L. Huan</i>	
THE DESIGN AND IMPLEMENTATION OF THE MARINE TEMPERATURE LOGGER CLIENT SOFTWARE BASED ON HIERARCHICAL ARCHITECTURE	1468
<i>X. Luan, F. M. Sun, H. H. Zhou, B. Xue, D. L. Song</i>	
AUTOMATIC TARGET SEGMENTATION BASED ON TEXTURE FOR MICROSCOPIC IMAGES OF CHINESE HERBAL POWDERS.....	1473
<i>J. Li, Y. Song, Y. Li, S. Cai, Z. Yang</i>	
AN IMPROVED RANDOM WALKER USING SPATIAL FEATURE FOR IMAGE SEGMENTATION	1479
<i>Z. Cui, W. Li, G. Pan, L. Gao</i>	
EYES LOCATION METHOD BASED ON THE ADABOOST ALGORITHM AND BLOCK INTEGRAL PROJECTION	1483
<i>G. Zou, K. Wang, M. Tang, G. Fu</i>	
EAR RECOGNITION VIA SPARSE REPRESENTATION OVER LEARNED DICTIONARY	1487
<i>C. Jiang, Z. Mu, B. Zhang, J. Zhang</i>	
ACTIVE CONTOUR DRIVEN BY LOCAL ENTROPY ENERGY FUNCTION FOR SEGMENTATION AND BIAS CORRECTION	1492
<i>G. Pan, L. Gao, Z. Cui</i>	
RESEARCH ON THE APPLICATION OF THE BRAIN-COMPUTER INTERFACE BASED ON ELECTROCORTICOGRAPHIC SIGNALS.....	1496
<i>S. Zhang, Y. Chen</i>	
A NOVEL FEATURE REDUCTION METHOD FOR REAL-TIME EMG PATTERN RECOGNITION SYSTEM.....	1500
<i>P. Yang, K. Xing, J. Huang, Y. Wang</i>	
HUMAN BEHAVIOR RECOGNITION BASED ON FRACTAL CONDITIONAL RANDOM FIELD.....	1506
<i>Z. Lv, K. Wang</i>	
MECHANICAL MODEL OF THE WHEAT AND ANALYSIS OF STEM LODGING	1511
<i>X. Q. Cheng, W. Xi-Shuang, C. Xue-Ming</i>	
THE EFFECT OF SYNAPTIC TIME DELAY ON SYNCHRONIZATION IN SMALL-WORLD NEURONAL NETWORKS.....	1516
<i>J. Du, B. Deng, J. Wang, H. Yu, X. Wei, Y. Chen, C. Tan</i>	
RESEARCH ON ALLOCATION OPTIMIZATION OF QINHUANGDAOWASTE TRANSFER STATION BASED ON QUEUING SERVICE SYSTEM.....	1521
<i>C. Liu, E. Li, Y. Li</i>	
DYNAMICS ANALYSIS OF PREY-PREDATOR MODEL WITH ALLEE EFFECT AND FUNCTIONAL RESPONSE	1525
<i>C. Liu, Y. Li, A. Li</i>	
RESEARCH ON PSO BASED MULTIPLE UAVS REAL-TIME TASK ASSIGNMENT	1530
<i>L. Lin, S. Qibo, W. Shangguang, Y. Fangchun</i>	
SAMPLED-DATA CONSENSUS OF FIRST-ORDER MULTI-AGENT SYSTEMS WITH DELAYED-STATE-DERIVATIVE FEEDBACK	1537
<i>N. Wang, Z. Wu, L. Peng</i>	
CONSENSUS CONTROL FOR NETWORKS OF AGENTS WITH FIXED TOPOLOGY AND QUANTIZED COMMUNICATION	1543
<i>D. Li, J. Wang, Z. Yin</i>	
CONDITION DIVISION METHOD FOR COMPLEX PROCESSES BASED ON THE MODIFIED FUZZY C-MEANS CLUSTERING ALGORITHM	1549
<i>G. Shouping, Y. Yan</i>	
MALLAT ALGORITHM OF WAVELET FOR TIME-VARYING SYSTEM PARAMETRIC IDENTIFICATION	1554
<i>L. Xue-Fang, P. Tao</i>	
STUDY ON HYBRID MODELING APPROACH FOR GOLD CYANIDATION LEACHING PROCESS	1557
<i>Z. Jun, M. Zhi-Zhong, J. Run-Da</i>	
MODIFIED RECURSIVE EXTENDED LEAST SQUARES IDENTIFICATION ALGORITHMS.....	1562
<i>A. G. Wu, Z. G. Wang</i>	
VIBRATION SIGNAL ANALYSIS OF VEHICLE IN HIGHWAY BASED ON AR MODEL.....	1568
<i>H. F. Wei, Y. T. Liu, X. H. Chang</i>	
A NOVEL DOPPLER FREQUENCY SHIFT COMPENSATION ALGORITHM FOR OFDM UNDERWATER ACOUSTIC COMMUNICATION SYSTEM	1571
<i>L. Ming, Z. Lin, Z. Yide</i>	
STUDIES ON WIND FARMS ULTRA-SHORT TERM NWP WIND SPEED CORRECTION METHODS	1576
<i>L. Dong, L. Ren, S. Gao, Y. Gao, X. Liao</i>	
OPTIMAL KALMAN FILTERING FOR SYSTEMS WITH UNKNOWN INPUTS	1580
<i>L. Ren, Y. Luo</i>	
MINING AREA SECURITY WARNING BASED ON AHP AND EVIDENTIAL REASONING.....	1584
<i>B. Kang, Y. Deng</i>	
GREENHOUSE PARAMETER CONTROL STRATEGY BASED ON THE AHP(ANALYTICAL HIERARCHY PROCESS)	1589
<i>G. Qian, X. D. Wang</i>	

THE APPLICATION OF GENETIC ALGORITHM ON COMBINATION OPTIMIZATION MODEL OF MULTIPLE TRANSPORTATION MODEL	1595
<i>X. D. Chen</i>	
MEAN SQUARE EXPONENTIAL STABILITY OF UNCERTAIN LINEAR IMPULSIVE STOCHASTIC SYSTEMS WITH MARKOVIAN SWITCHING	1601
<i>W. H. Chen, C. Wei, X. Lu</i>	
RELATIONS OF PARAMETER DECOMPOSITION AND OPTIMAL SOLUTIONS OF LARGE SCALE MULTI-OBJECTIVE PROGRAMMING MODEL WITH TRAPEZOIDAL STRUCTURE	1607
<i>J. Zhang, N. Liu, L. Shan, X. Feng</i>	
THE IMPROVEMENT AND APPLICATION OF FUZZY COMPREHENSIVE EVALUATION METHOD UNDER THE HYBRID INFORMATION	1612
<i>Jie Zhang, Han Li, Yue Liu, Xiang Feng</i>	
THE STUDY ON THE EFFICIENCY EVALUATION OF URBAN TOURISM BASED ON THE METHOD OF DEA	1616
<i>Q. Ru, X. Ruonan</i>	
A DECISION-MAKING METHOD BASED ON SOFT SET UNDER INCOMPLETE INFORMATION	1620
<i>D. Zhu, Y. Li, H. Nie, C. Huang</i>	
SPA-BASED APPROACH TO DECISION MAKING IN CONCEPTUAL DESIGN	1623
<i>A. Peng</i>	
GRA-BASED APPROACH TO PID PARAMETER TUNING FOR CLOSED-LOOP SERVO SYSTEMS	1628
<i>A. H. Peng</i>	
SPARSE DUAL REGULARIZED CONCEPT FACTORIZATION FOR IMAGE REPRESENTATION	1634
<i>S. Du, Y. Shi, W. Wang</i>	
A OPINION DYNAMIC MODEL OF GROUP EXPERTS FREE DISCUSSION	1638
<i>J. M. Su, B. H. Liu, Z. Y. Gao, Q. Li, H. X. Ma</i>	
A BSC-ANP MODEL FOR EVALUATION OF STRATEGIC FIT OF NEW PRODUCT DEVELOPMENT PROJECTS	1643
<i>Y. Yang, S. L. Yang, J. Yang</i>	
STUDY ON UNDECIDED MULTI-CRITERIA DECISION-MAKING BASED ON COMPATIBILITY RELATIONS THEORY MODELS	1648
<i>Z. L. Huang, J. Luo, L. Tian</i>	
INFLUENCE OF THE RELATIONSHIP QUALITY, RELATIONSHIP BEHAVIOR ON THE RELATIONSHIP PERFORMANCE OF REAL ESTATE ENTERPRISE	1654
<i>Y. Shang, X. Yang</i>	
ANALYSIS OF ENTERPRISE KNOWLEDGE SHARING BARRIER BASED ON ISM KNOWLEDGE VALUE CHAIN	1659
<i>Z. Chunyu, F. Shi</i>	
UCT BASED SEARCH IN PHANTOM GO	1665
<i>S. Shen, J. Xu, H. Li, T. Zhu, J. Wang</i>	
AN EXPERIMENTAL STUDY OF GROUPED MULTI-ATTRIBUTE REVERSE AUCTIONS	1671
<i>X. Liu, D. Wang</i>	
AN EMPLOYMENT CONTRACT WITH FAIRNESS PREFERENCE	1677
<i>Q. Song, K. Shi, S. Lin</i>	
ISWBD-A NORMAL PROCEDURE FOR CONSTRUCTION OF SATELLITE COMMUNICATION NETWORK EVALUATION INDEX SYSTEM	1682
<i>Y. Weiwei, H. Guyu, Y. Shuzhen, L. Richu, S. Xigang, W. Xiandong</i>	
BEHAVIOR PREDICTION OF TELECOM CONSUMERS' CHOICE WITH PACKAGES BASED ON IMPROVED NESTED LOGIT MODEL	1688
<i>Y. Miao, J. Tang, G. Qu</i>	
BASED ON LOW CARBON EMISSIONS COST MODEL AND ALGORITHM FOR VEHICLE ROUTING AND SCHEDULING IN PICKING UP AND DELIVERING CUSTOMERS TO AIRPORT SERVICE	1693
<i>P. Yang, J. Tang, Y. Yu</i>	
RESEARCH ON AUTO-NEGOTIATION MODEL FOR MULTI-ISSUES COAL NEGOTIATION BASED ON FQSIM	1698
<i>G. Taiguang, H. Min, Q. Xiaohu</i>	
ANALYSIS AND COMPARISON OF SOME THREAT ASSESSMENT METHODS	1703
<i>X. S. Zhao, H. X. Wang, Y. C. Cai</i>	
GREY TARGET METHOD FOR MULTIPLE ATTRIBUTE GROUP DECISION-MAKING WITH KNOWN WEIGHT AND INTERVAL ATTRIBUTE VALUE	1706
<i>D. Wenzhan, L. Jiuliang, Y. Aiping</i>	
E-COMMERCE OUTSOURCING SERVICE DECISION-MAKING METHODS AND STRATEGY FOR SMALL AND MEDIUM-SIZED ENTERPRISES	1710
<i>F. Q. Sun, D. Chen, S. X. Liu</i>	
A MULTI-ATTRIBUTE AUCTION MODEL FOR ONLINE DIGITAL GOODS	1714
<i>W. Kang, L. Wang, Y. Jiang</i>	
EXTENDED VIKOR METHOD FOR MULTI-LEVEL HYBRID MULTI-ATTRIBUTE GROUP DECISION MAKING	1718
<i>L. Li, F. Z. Wang</i>	

OPTIMAL PRICING FOR DUAL-CHANNEL SUPPLY CHAIN WITH FAIRNESS CONCERNED MANUFACTURER	1723
<i>D Qu, Y. Han</i>	
STUDY ON THE METHOD TO MEASURE THE EVIDENCE SIMULATION DEGREE	1728
<i>Y. Li, Z. Cao, J. Min</i>	
A HYBRID GENETIC ALGORITHM FOR SPORTS STADIUMS LOCATION PROBLEM IN LARGE-SCALE	1733
<i>F. Huang, H. Bao</i>	
A KIND OF PERFORMANCE ASSESSMENTS FOR OUTPUT STOCHASTIC DISTRIBUTION CONTROL SYSTEM	1738
<i>W. Xi, Z. Jinglin, Z. Haijiang</i>	
RESEARCH ON INITIAL ALIGNMENT FOR LARGE AZIMUTH MISALIGNMENT ANGLE WITH SAGE_HUSA ADAPTIVE FILTERING	1744
<i>C. Zijian, H. Xiaofei, J. Huan Li Dehui</i>	
RESEARCH OF EINSTEIN WURFELT NICHT! EVALUATION ALGORITHM	1750
<i>X. Wang, Y. Wang, T. Liu</i>	
RESEARCH ON THE PLATFORM SYSTEM OF MILITARY CHESS COMPUTER GAME	1754
<i>X. Mei, D. Zhang, Q. Liao, Y. Jiang, H. Zhang, N. Zhan</i>	
ROBUST CONTROL OF SPACECRAFT EIGENAXIS MANEUVER VIA INTEGRAL SLIDING MODE	1758
<i>Z. Chen, B. Cong, X. Liu</i>	
6DOF QUASI-OPTIMAL INTEGRAL SLIDING MODE CONTROL FOR SATELLITE FORMATION FLYING USING DUAL QUATERNION	1764
<i>J. Wu, K. Liu, Y. Gao, B. Zhang</i>	
OBSERVER BASED SLIDING MODE CONTROL FOR A CLASS OF CONTINUE-TIME MARKOV JUMP SYSTEMS	1770
<i>F. Huang, Y. Ning, S. Zhang, Y. Jing., Y. Zheng</i>	
THE DIFFERENT VARIABLE STRUCTURE CONTROL STRATEGY APPLIED IN POWER SYSTEM LOAD FREQUENCY CONTROL	1776
<i>M. Yang, P. Da, W. Xiao</i>	
ADAPTIVE SLIDING MODE CONTROL FOR TCP NETWORKS WITH INPUT SATURATION	1780
<i>C. Ye, Y. Jing, J. Chu</i>	
INTERCEPTING MANEUVERING TARGET WITH SPECIFIED TERMINAL ENGAGEMENT GEOMETRY USING VARIABLE STRUCTURE GUIDANCE LAW	1785
<i>Z. Li, Z. Zhiqiang, T. Shuai</i>	
MODELS FOR COAL BLENDING WITH INVENTORY IN COAL-FIRED POWER PLANT	1790
<i>J. Zhao, S. X. Liu</i>	
STUDY ON MULTI-TIME PERIODS INTEGRATED PLAN OF SUPPLY CHAIN UNDER UNCERTAIN ENVIRONMENT	1794
<i>P. Hali</i>	
ERROR DETECTION AND ELIMINATION METHOD IN BULLET COMPARISON AND MATCHING	1800
<i>X. Ren, Y. Li, J. Wang, M. Gu, Q. Ren</i>	
PRICING COMPETITION BETWEEN INNOVATOR AND IMITATOR FACING STRATEGIC CUSTOMERS	1806
<i>D. Peng, C. Qiushuang, Z. Han</i>	
AN ACO-BASED APPROACH FOR INTER-CELL SCHEDULING WITH VARIOUS TYPES OF MACHINES	1812
<i>X. Meng, Y. Ju, X. Wang, Y. Wang, D. Li</i>	
BAYESIAN NETWORK LEARNING BASED ON RELATIONSHIP PREDICTION PSO AND ITS APPLICATION IN AGRICULTURAL EXPERT SYSTEM	1818
<i>W. Guo, Q. Xiao, Y. Huo, E. Wang, X. Zhang</i>	
ELECTROHYDRAULIC SYSTEM RELIABILITY ALLOCATION BASED ON INTERVAL ANALYTIC HIERARCHY PROCESS WITH CORRECTION	1823
<i>Q. Sun, J. Yue, U. Wang, H. Liu</i>	
A QUEUEING NETWORK ANALYSIS MODEL IN EMERGENCY DEPARTMENTS	1829
<i>H. Zhu, J. Gong, J. Tang</i>	
OPTIMIZING RELIABLE TIMETABLE FOR BUS TRANSIT NETWORK: MODEL FORMULATION AND SOLUTION	1835
<i>Y. Wu, J. Tang, Y. Zhang</i>	
STATISTICAL ANALYSIS FOR DECISION SUPPORT OF PICKUP AND DELIVERY CUSTOMERS TO AIRPORT SERVICE	1841
<i>W. Weidi, Y. Yang, T. Jiafu</i>	
PRIORITY RULE BASED HEURISTICS FOR PROJECT SCHEDULING PROBLEMS WITH MULTI-SKILLED WORKFORCE CONSTRAINTS	1846
<i>D. Chen, F. Q. Sun, S. X. Liu, Y. F. Wang</i>	
A DISTRIBUTED CLUSTERING METHOD TO SEGMENT MICRO-BLOG USERS ON CLOUD ENVIRONMENTS	1850
<i>H. Liu, W. Qu, J. Yi, J. Wang, C. Sun</i>	
IDENTIFICATION OF FRACTIONAL-ORDER SYSTEM BASED ON MODIFIED DIFFERENTIAL EVOLUTION	1856
<i>L. Huang, X. Zhou</i>	
ONLINE IDENTIFICATION FOR HYPERSONIC VEHICLE USING RECURSIVE MAXIMUM LIKELIHOOD METHOD BASED ON INTERIOR-POINT ALGORITHM	1862
<i>C. Hu, Q. Liu</i>	

STATE ESTIMATION WITH MISSING MEASUREMENTS USING IMM	1868
<i>S. Zheng, X. Tang, M. Liu, S. Zhang, W. Sheng</i>	
INFORMATION FUSION PASSIVE LOCATION FILTERING ALGORITHM	1874
<i>M. Lin, Y. D. We</i>	
UNDERDETERMINED BLIND SOURCE SEPARATION FOR LFM RADAR SIGNAL BASED ON COMPRESSIVE SENSING	1878
<i>B. Fang, G. Huang, J. Gao</i>	
A RESEARCH OF ON-LINE PARAMETER IDENTIFICATION OF MOSFET ON-RESISTANCE BASED ON HYBRID SYSTEM AND KALMAN FILTER	1883
<i>Z. Xueyan, W. Lifeng, G. Yong, W. Guohui, L. Xiaojuan</i>	
GLOBALLY STABLE ADAPTIVE TRACKING CONTROL OF AWHEELED MOBILE ROBOT USING RBF NEURAL NETWORK AS FEEDFORWARD COMPENSATOR	1888
<i>J. Wu, D. Zhao, W. Chen</i>	
PREDICTING PROTEIN STRUCTURAL CLASSES WITH AUTOENCODER NEURAL NETWORKS	1894
<i>L. J. Wei, C. G. Hui, L. Z. Yu, L. Yuang, L. Hai-En, L. Xiong-Lin</i>	
A NOVEL RBF NEURAL NETWORK BASED ON DATA DISPERSION LEVEL AND ITS APPLICATION IN BOF ENDPOINT PREDICTION	1900
<i>Z. Yu-Xian, L. Tong, W. Jian-Hui</i>	
ALGORITHM RESEARCH AND REAL-TIME SIMULATION OF NEURAL NETWORK SLIDING MODE POSITION CONTROL	1904
<i>W. Li, Y. Zhang, Y. Gao, X. Chai</i>	
PREDICTION OF LEAD-ACID STORAGE BATTERY'S REMAINING CAPACITY BASED ON LM-BP NEURAL NETWORK	1908
<i>X. Yang, F. Jiang, X. Wu</i>	
ADAPTIVE TERMINAL SLIDING MODE FINITE-TIME ATTITUDE CONTROL OF SPACECRAFT	1913
<i>H. Qing-Lei, J. Cheng-Ping, Z. Zhen-Xia, Z. Ai-Hua</i>	
SHORT-TERM WIND SPEED PREDICTION BASED ON SUPPORT VECTOR MACHINE OF FUZZY INFORMATION GRANULATION	1918
<i>X. Cheng, P. Guo</i>	
WIND GENERATOR TOWER VIBRATION FAULT DIAGNOSIS AND MONITORING BASED ON PCA	1924
<i>N. Fang, P. Guo</i>	
STOCHASTIC DISTRIBUTION CONTROL FOR THE PERMANENT MAGNET SYNCHRONOUS GENERATOR BASED VARIABLE SPEED WIND ENERGY CONVERSION SYSTEMS	1930
<i>J. Zhang, Y. Tian, M. Ren, J. Zhang, G. Hou</i>	
DATA MINING WITH IMPROVED APRIORI ALGORITHM ON WIND GENERATOR ALARM DATA	1936
<i>C. Tong, P. Guo</i>	
RESEARCH ON INTEGRATED MODELING METHOD AND MAXIMUM POWER POINT TRACKING CONTROL OF PHOTOVOLTAIC SYSTEMS	1942
<i>S. Li, X. Gao, Y. Feng, N. Hu</i>	
DESIGN OF SLIDING MODE CONTROLLER FOR FREQUENCY CONTROL IN AN ISOLATED WIND-DIESEL HYBRID SYSTEM	1947
<i>M. Yang, B. Xiaowei, T. Yue, J. Yuanwei</i>	
REMARKS ON CONTROLLABILITY OF DISCRETE-TIME BILINEAR SYSTEMS	1952
<i>L. Tie, Y. Lin</i>	
GUARANTEED COST CONTROL FOR NONLINEAR SYSTEMS BASED ON THE SUM OF SQUARES TECHNIQUE	1956
<i>L. F. Wu, H. F. Sun</i>	
NONSMOOTH 2DOF CONTROLLER DESIGN FOR A CLASS OF THIRD-ORDER NONLINEAR SYSTEMS WITH SATURATION	1962
<i>J. Gu, K. Zheng, X. Wang, Y. Jiang</i>	
SAMPLED-DATA MODELS AND ZERO DYNAMICS FOR NONLINEAR SYSTEMS WITH RELATIVE DEGREE TWO	1967
<i>C. Zeng, S. Liang, Y. Su, Y. Li</i>	
NONLINEAR TERMINAL GUIDANCE FOR HYPERVELOCITY VEHICLES IMPACT IN SPECIFIC DIRECTION AND SPEED	1973
<i>K. Hu, L. Liu, Y. Wang, Z. Wang</i>	
THE PROPERTIES OF TRAVELLING WAVE SOLUTIONS FOR KDV-BURGERS-KURAMOTO EQUATION	1979
<i>H. Yanxia</i>	
DIAGONAL DOMINANCE FOR FLIGHT CONTROL SYSTEMS OF CANARD AIRCRAFT IN FINITE FREQUENCY RANGE	1983
<i>Z. Li, J. Dong, G. H. Yang</i>	
ROBUST ATTITUDE TRACKING CONTROL SCHEME FOR FLEXIBLE SPACECRAFT WITH VIBRATION SUSPENSION	1989
<i>X. Shi, G. Yuan</i>	
PASSIVE CONTROL FOR FUZZY SYSTEM WITH TIME-DELAY	1994
<i>Y. Dan, L. Xiangjie, Y. Xiuming</i>	
ROBUST LPV MISSILE AUTOPILOT DESIGN WITH PARAMETER DEPENDENT PERFORMANCE	1998
<i>X. Song, J. Song, Z. Ren</i>	

STABILITY DOMAIN APPROXIMATION FOR THE ROBUST PID CONTROLLER PARAMETERS BY REFLECTION SEGMENTS APPROACH	2004
<i>S. Avanesov, Y. Nurges</i>	
ANALYSIS OF NEARSPACE VEHICLE FLIGHT MOTION MODELING	2010
<i>N. B. He, Q. Gao, Q. H. Xu</i>	
SIMULATION RESEARCH ON TWO-PHASE FLOW VELOCITY MEASUREMENT SYSTEM BASED ON MONTE CARLO METHOD	2013
<i>W. Yutao, Z. Jian, Y. Gang</i>	
ERROR COMPENSATION OF MAGNETIC MEASUREMENT SYSTEM BASED ON GMR SENSOR	2018
<i>X. Zheng, J. Fu, Y. Wu, W. Bao</i>	
DESIGN AND REALIZATION OF EMBEDDED FREQUENCY CHARACTERISTIC ANALYZER	2023
<i>H. He, H. Dong, Y. Chen</i>	
THE DESIGN OF WIRELESS INTELLIGENT DIFFERENTIAL PRESSURE SENSOR BASED ON WICN	2028
<i>H. Wang, Y. Li, J. Fu, L. Xu, W. Bao</i>	
3D IMAGING SYSTEM OF ULTRASONIC LOGGING INSTRUMENT	2033
<i>Y. Wang, M. Cao, Z. Deping, Z. Zengjie</i>	
SURFACE DEFECT DETECTION BASED ON CAPACITIVE PROBE FOR BEARING BALL	2037
<i>M. Yuzhen, S. Xuan, L. Guoping, W. Xinjia</i>	
HIGH-PRECISION MANEUVERING TARGET CONTOUR TRACKING METHOD BASED ON KALMAN FILTERING ALGORITHM	2041
<i>J. Li, H. Fang, W. Chen, M. Jiang</i>	
RESEARCH AND APPLICATION OF DIGITAL TRANSMISSION OF DIFFERENTIAL RESISTANCE SENSOR	2046
<i>G. Zheng, Z. Wang, S. Jin</i>	
TOPOLOGY AND INDUCTANCE ANALYSIS FOR WIRELESS POWER TRANSMISSION SYSTEM	2052
<i>M. Yang, G. Yang, E. Li, Z. Liang, B. Zhai</i>	
FEATURE RECOGNITION AND TRACKING OF AIRCRAFT TANKER AND REFUELING DROGUE FOR UAV AERIAL REFUELING	2057
<i>X. Wang, X. Dong, X. Kong</i>	
A STATISTICAL FEATURES-BASED COLOR DIFFERENCE CLASSIFICATION METHOD	2063
<i>S. Feng-Wu, J. Mai</i>	
AN UNSUPERVISED KERNEL OPTIMIZATION IN DIMENSIONAL REDUCTION	2068
<i>Y. Shi, S. Du, W. Wang</i>	
PARTICLE-BASED CARDIAC RHYTHM SIMULATION	2072
<i>J. Guo, C. Yang, J. Han, J. Tang, M. Zheng, X. Liao, Z. Yuan</i>	
EFFECT OF DELAY ON THE SYNCHRONIZATION OF WEAKLY COUPLED NEURONS VIA EXCITATORY CHEMICAL SYNAPSES	2076
<i>P. Hao, R. Li, Y. Che, C. Han</i>	
A MODIFIED FUZZY C-MEANS FOR BIAS FIELD ESTIMATION AND SEGMENTATION OF BRAIN MR IMAGE	2080
<i>Z. Shi, S. Lihuang, L. Li, Z. Hua</i>	
RESEARCH AND IMPLEMENTATION OF OF MULTI-MODAL FACE RECOGNITION ALGORITHM	2086
<i>Y. Jihua, X. Guomiao, H. Dan</i>	
A STAGE STRUCTURED PREDATOR-PREY SYSTEM WITH DELAY DEPENDENT PARAMETERS	2091
<i>Z. Xiaojian, H. Daoan, L. Junfeng</i>	
GLOBAL ANALYSIS OF THE RATIO-DEPENDENT PREDATOR-PREY SYSTEM WITH TIME DELAY	2096
<i>Z. Xiaojian, H. Baoan, L. Junfeng</i>	
H_∞ FILTER FOR IMPULSIVE SWITCHED SYSTEMS WITH TIME-DELAY	2102
<i>X. Chengjie, Z. Ying, L. Bin, L. Dongnan</i>	
A REVIEW FOR WORKLOAD MEASUREMENT OF AIR TRAFFIC CONTROLLER BASED ON AIR TRAFFIC COMPLEXITY	2107
<i>Z. Song, Y. Chen, Z. Li, D. Zhang, H. Bi</i>	
ROBUST TRACKING CONTROL OF SWITCHED NONLINEAR SYSTEMS VIA THE MULTIPLE LYAPUNOV FUNCTION APPROACH	2113
<i>Y. Q. Ma, X. Jin, B. Niu, Y. Liu</i>	
HYBRID ROBUST ADAPTIVE CONTROL FOR A CLASS OF UNCERTAIN FUZZY SYSTEMS WITH TIME-VARYING DELAY	2119
<i>H. Nie, Z. Song, J. Zhao</i>	
ADMISSIBILITY CONDITIONS OF DYNAMIC INPUT-OUTPUT ECONOMIC MODEL WITH MULTIPLE DELAYS	2125
<i>Y. Shao, X. Liu, X. Sun, Y. Feng</i>	
PARAMETER TUNING OF FRACTIONAL-ORDER PDⁿ CONTROLLERS BASED ON BACTERIAL FORAGING -PARTICLE SWARM OPTIMIZATION ALGORITHM	2131
<i>L. Dong, B. Shan, Z. Gao, X. Liao</i>	
IMPROVED DELAY-DEPENDENT STABILITY FOR NEURAL NETWORKS WITH MIXED TIME-VARYING DELAYS	2136
<i>L. Zhang</i>	
OUTPUT FEEDBACK NON-FRAGILE ROBUST H_∞ CONTROL FOR SWITCHED SYSTEMS WITH MULTIPLE TIME DELAYS	2142
<i>N. Zhang, S. Han</i>	

STABILITY ANALYSIS OF COMPOUND TCP WITH ADAPTIVE VIRTUAL QUEUES	2148
<i>A. Rao, A. Warriar, G. Raina</i>	
PERIODIC EQUILIBRIUM STATES IN A SEIR MATHEMATICAL MODEL OF AN INFECTIOUS NON-LETHAL DISEASE	2155
<i>R. Nistal, M. De La Sen, S. Alonso-Quesada, A. Ibeas</i>	
OPERATIONAL ABILITY EVALUATION MODEL OF THE ARMORED WEAPON SYSTEM OF SYSTEM	2161
<i>Z. Xuesheng, Q. Yang</i>	
PERFORMANCE PREDICTION OF GROUND-COUPLED HEAT PUMP SYSTEM USING NNCA-RBF NEURAL NETWORKS.....	2164
<i>G. Wang, Y. Zhang, R. Wang, G. Han</i>	
REVIEW AND PERFORMANCE ANALYSIS OF SINGLE HIDDEN LAYER SEQUENTIAL LEARNING ALGORITHMS OF FEED-FORWARD NEURAL NETWORKS	2170
<i>B. Lin, X. Rong</i>	
INTELLIGENT DECOUPLING IN AGC-AFC SYSTEM BASED ON CMAC MODEL.....	2176
<i>J. Guo, X. Wang, Y. Xu, H. Li, S. Jiang</i>	
AUTOMATIC PARAMETERS SELECTION FOR RADIAL BASIS FUNCTION NETWORKS AND EXPERIMENTAL ANALYSIS.....	2181
<i>J. Nong, F. Tan</i>	
SYNCHRONIZATION FOR COMPETITIVE NEURAL NETWORKS BY OUTPUT FEEDBACK AND IMPULSIVE CONTROL	2187
<i>H. Gu, H. Lu</i>	
CONDITIONS FOR RADIAL BASIS FUNCTION NEURAL NETWORKS TO UNIVERSAL APPROXIMATION AND NUMERICAL EXPERIMENTS	2193
<i>J. Nong</i>	
A FUSION MODEL FOR MULTI-SOURCE DETECT DATA OF SECTION AVERAGE VELOCITY BASED ON BP NETWORK.....	2198
<i>D. Honghui, W. Mingchao, J. Maojing, Z. Pengfei, Z. Yu, J. Limin, Q. Yong</i>	
RESEARCH ON THE PREDICTION MODEL FOR RECOVERY RATE OF ALLOYING ELEMENTS	2204
<i>X. Fang, J. Wang, W. Zhang</i>	
ASYMPTOTICALLY SYNCHRONIZATION OF A CLASS OF DELAYED NEURAL NETWORKS WITH IMPULSIVE EFFECTS	2209
<i>H. Dun, S. Mei, L. Dan-Dan, W. Peng-Gang</i>	
THE APPLICATION OF MODIFIED ESN IN CHAOTIC TIME SERIES PREDICTION	2213
<i>Y. Zhang, Y. Yu, D. Liu</i>	
OBSERVER-BASED H_{∞} CONTROL FOR GENERAL 2D NONLINEAR SYSTEMS.....	2219
<i>H. Zhang, J. Du</i>	
ROBUST FINITE-TIME CONTROL FOR CONTINUOUS-TIME NONLINEAR SYSTEMS BASED ON T-S FUZZY MODEL	2225
<i>L. Zhang, D. Yang, K. Zhang</i>	
A STUDY ON GENERATION OF FUZZY CONTROL RULES BASED ON FFOTS	2230
<i>Z. Li, L. Chen</i>	
A FUZZY LYAPUNOV FUNCTION APPROACH TO STABILIZATION OF INTERVAL TYPE-2 T-S FUZZY SYSTEMS.....	2234
<i>T. Zhao, J. Xiao, Y. Li, Y. Li</i>	
NOVEL STATE-FEEDBACK CONTROL DESIGNS OF DISCRETE-TIME NONLINEAR SYSTEMS BASED ON TAKAGI-SUGENO FUZZY MODEL.....	2239
<i>X. Zhang, X. Bai, L. Sun, G. Zhang, J. Hu</i>	
STABILITY ANALYSIS OF SEIQR MODEL IN COMPUTER NETWORKS.....	2244
<i>S. Ge, G. Tang, X. Yang, Q. Xu, H. Yu, P. Wang</i>	
RESEARCH OF A LED LIGHTING SYSTEM BASED ON SOLAR ENERGY	2249
<i>L. Chen, W. Wang, J. Huo, J. Chen</i>	
THE RESEARCH OF CONTROL METHOD FOR ACTIVE POWER FILTER BASED ON VOLTAGE SPACE VECTOR	2253
<i>L. Chen, J. Huo, W. Wang, J. Chen</i>	
UNFALSIFIED CONTROL RESEARCH AND ITS APPLICATION IN INVERTED PENDULUM SYSTEM.....	2259
<i>L. Cui, Y. Lv, G. Xie</i>	
LFC DESIGN WITH TIME-DELAY VIA LADRC AND SETTING PARAMETERS BASED ON GENETIC ALGORITHM	2264
<i>M. Yu, Q. Yang</i>	
A NEW KIND OF DATA ACQUISITION USED IN LASER PARTICLE SIZE ANALYZER	2270
<i>T. Guan, L. Xu, X. Li</i>	
AN IMPROVED ZVZCS HALF BRIDGE INVERTER APPLIED TO SMALL POWER LEVEL INDUCTION HEATING DEVICE.....	2274
<i>Y. Zhou, R. Yang, Y. Li</i>	
INDUCTION HEATING APPLIANCES WITH PHASE-SHIFTED CONTROL BASED ON TIME-SHARING CONTROL	2278
<i>Y. Zhou, Y. Li, R. Yang</i>	
FLATNESS GENERALIZED PREDICTION CONTROL BASED ON WAVELET DENOISING	2284
<i>Q. Zhao, J. Wang, Y. Han, C. Li</i>	

MODEL FREE PREDICTIVE CONTROL FOR A NONLINEAR BIOLOGICAL SYSTEM WITH INTELLIGENT OPTIMIZATION APPROACH	2288
<i>M. Mehrjerdi, G. Amoabediny, B. Moshiri, A. Ashktorab, B. Araabi</i>	
PARTIALLY DECENTRALIZED CONTROL FOR A QUADRUPLE TANK PROCESS	2294
<i>H. Yu, W. Tan</i>	
ACTIVE DISTURBANCE REJECTION CONTROLLER BASED ON PARTICLE SWARM OPTIMIZATION FOR HYDRAULIC AUTOMATIC POSITION CONTROL SYSTEM	2300
<i>C. Zhang, L. Wang, Q. Mu, Q. Li, Y. Yin, W. Zhang</i>	
THE APPLICATION OF OPTIMAL CONTROL IN THE CONSTANT-SPEED CONTROL OF ROTARY SCREEN RACK	2306
<i>T. Wang, J. Hu, Y. Sun</i>	
RESEARCH ON DIRECT-THRUST-CONTROL OF PERMANENT MAGNET LINEAR SYNCHRONOUS MOTOR	2310
<i>X. Wang, L. Zhao, Y. Wang</i>	
STABILIZATION ANALYSIS AND ALGORITHM REFACTURING OF UNDERACTUATED SMALL SATELLITE USING TWO WHEELS	2314
<i>Y. Zhang, J. Xiong, J. Jin, J. Yan</i>	
A NOVEL CENTRAL DIFFERENCE KALMAN FILTER WITH APPLICATION TO SPACECRAFT CONTROL	2319
<i>Y. Hou, G. Ma, J. Hou</i>	
RESEARCH ON STATISTIC CHARACTERISTICS OF THE UNBIASED ESTIMATION OF HITTING PROBABILITY WITH RECTANGLE OBJECTIVE DOMAIN	2323
<i>J. Wang, Y. Li, Z. Guo</i>	
A KIND OF ROUTE PLANNING METHOD FOR UAV BASED ON IMPROVED PSO ALGORITHM	2328
<i>Q. Geng, Z. Zhao</i>	
THE DESIGN OF SURAKARTA CHESS BATTLE PLATFORM IN COMPUTER GAME	2332
<i>L. Zhang, L. Ding, Z. Li</i>	
A REVIEW OF SHOCK DETECTION TECHNOLOGY BASED ON EMBEDDED SYSTEM	2336
<i>W. Hu, G. Liu, L. Fu</i>	
A PARALLEL HARMONY SEARCH ALGORITHM WITH DYNAMIC HARMONY-MEMORY SIZE	2342
<i>W. Jiang, J. Wang, W. Wang, L. Cao, Q. Jin</i>	
MODELING AND OPTIMIZING OF 4PL ROUTING OPTIMIZATION PROBLEM BASED ON GOAL PROGRAMMING	2348
<i>M. Huang, L. Ren, M. Chang, Y. Cui</i>	
APPLICATION OF ADAPTIVE PID CONTROLLER BASED ON BACTERIAL FORAGING OPTIMIZATION ALGORITHM	2353
<i>G. Wu</i>	
TWO-TIER POLICY-BASED CONSOLIDATION CONTROL FOR WORKLOAD WITH SOFT DEADLINE CONSTRAIN IN VIRTUALIZED DATA CENTER	2357
<i>M. Tao, S. Dong</i>	
STUDY AND APPLICATION OF PROJECT ACCELERATION MEASURES BASED ON ACA	2363
<i>P. Zhao, X. Zhang</i>	
TIMED PETRI NET BASED OPTIMIZATION APPROACH FOR SELECTIVE DISASSEMBLY LOT SIZING	2369
<i>X. Guo, S. Liu</i>	
STUDY OF THE IMMUNE SIMULATED ANNEALING ALGORITHM AND DUAL-RESOURCE JOB SHOP ORDER SCHEDULING	2375
<i>Z. Wang, M. Zhao, M. Hu</i>	
SCHEDULING METHOD FOR TIRE BUILDING BASED ON HEURISTIC ALGORITHM	2380
<i>S. Yu, D. Yang, K. Zhu, S. Lu</i>	
UTILITY-BASED SENSUS ANALYSIS IN NON-HOMOGENEOUS DECISION ENVIRONMENT	2384
<i>Q. Zhang, X. Fan, J. Li, T. Xu</i>	
ARTIFICIAL BEE COLONY ALGORITHM FOR CROSS DOCK SCHEDULING PROBLEM	2388
<i>B. Wu, Y. Fang, Z. Cui</i>	
THE DESIGN AND IMPLEMENTATION OF INFORMATION SYSTEM IN CIVIL AIRPORT EMERGENCY MANAGEMENT BASED ON SEMANTIC WEB	2392
<i>H. Wang, Z. Pan, W. Zhou</i>	
A CONTROLLER DESIGN FOR SPACECRAFT WITH CONTROL SATURATION UNDER THRUST MISALIGNMENT	2397
<i>Z. Shi, B. Jiang, Q. Hu</i>	
ON THE SATISFACTION-BASED APPROACH TO GROUP DECISION MAKING WITH INTERVAL ORDINAL PREFERENCES	2403
<i>Z. Wu, Z. Tao</i>	
A NEW METHOD TO SOLVE PROJECT SCHEDULING PROBLEMS WITH MULTI-SKILLED WORKFORCE CONSTRAINTS	2408
<i>Y. Wang, F. Sun, S. Liu, D. Chen</i>	
METHOD FOR EVALUATING POST KNOWLEDGE PUSH EFFECT CONSIDERING INDEX EXISTING RELEVANCE	2413
<i>L. Jia, Y. Li, C. Liu</i>	

A WEIGHED COMBINATIONAL INTERVAL PREDICTION METHOD OF INS CALIBRATING PARAMETER REPEATABILITY	2417
<i>C. Wang, H. Dang</i>	
SHIP TARGET DETECTION WITH SURFACE WAVE RADAR BASED ON FAULT DETECTION METHOD	2421
<i>L. Zhang, Q. Dong, M. Li, J. Niu, Y. Ji, Y. Wang</i>	
A HYBRID GENETIC ALGORITHM FOR THE SPECIAL TRANSIT ROUTE DESIGNING PROBLEM IN MEGA-EVENTS	2426
<i>D. Zhang, H. Wang, J. Tang</i>	
CONVERGENCE ANALYSIS OF PARAMETER ESTIMATION IN SYSTEM IDENTIFICATION	2430
<i>Z. Yan, C. Chen</i>	
CHAOTIC PARTICLE SWARM OPTIMIZATION ALGORITHM PARAMETRIC IDENTIFICATION OF BOUC-WEN HYSTERESIS MODEL FOR PIEZOELECTRIC CERAMIC ACTUATOR	2435
<i>N. Dong, H. Li, X. Liu</i>	
APPLICATION OF SOFT SENSOR IN WELDING SEAM TRACKING PREDICTION BASED ON LSSVM AND PSO WITH COMPRESSION FACTOR	2441
<i>J. Wang, C. Wang, X. Zhu, X. Fang</i>	
THE PROPERTIES OF HIGHER-ORDER REASSIGNED LOCAL POLYNOMIAL PERIODOGRAM	2447
<i>X. Li, G. Bi</i>	
AN EXTENDED ADALINE NEURAL NETWORK TRAINED BY LEVENBERG-MARQUARDT METHOD FOR SYSTEM IDENTIFICATION OF LINEAR SYSTEMS	2453
<i>W. Zhang</i>	
AN IMPROVED DETECTION ALGORITHM OF FACE WITH COMBINING ADABOOST AND SVM	2459
<i>M. Jia, J. Du, T. Cheng, N. Yang, Y. Jiang, Z. Zhang</i>	
ROBUST STABILIZATION FOR STANDARD DISCRETE-TIME FUZZY SINGULARLY PERTURBED SYSTEMS: A SPECTRAL NORM APPROACH	2464
<i>L. Yu, J. Chen</i>	
MODEL OF REHABILITATION TRAINING PROGRAM FOR STROKE BY FUZZY REASONING	2470
<i>Jianhui Wang, Wen Ji, Xiaoke Fang, Shusheng Gu, Jilin Chen</i>	
LATTICE DESCRIPTION OF APPROXIMATION SPACE	2475
<i>L. Zhang</i>	
CONVERGENCE BEHAVIOR OF HIGH-ORDER FUZZY CELLULAR NEURAL NETWORKS WITH TIME- VARYING DELAYS	2479
<i>S. Xu, M. Tan, H. Liao</i>	
STABILIZATION FOR A CLASS OF STOCHASTIC T-S FUZZY SYSTEMS WITH DIFFERENT PREMISES	2483
<i>L. Zhang, S. Zhou</i>	
ADAPTIVE FUZZY CONTROL FOR A CLASS OF NONLINEAR SYSTEMS WITH INPUT CONSTRAINT AND UNKNOWN CONTROL DIRECTION	2487
<i>W. Shi, H. Wang, F. Li, X. Wei</i>	
PROGRAM COMPLEX FOR IDENTIFICATION OF FUZZY MODELS	2492
<i>Y. I. Kudinov, I. Y. Kudinov, F. F. Pashchenko, A. F. Pashchenko</i>	
SHIFTED-ENTROPY BASED NONLINEAR DYNAMIC OUTPUT-FEEDBACK POWER-LEVEL CONTROL FOR PRESSURIZED WATER REACTORS	2495
<i>Z. Dong</i>	
REASONING CALCULATION OF THE ELECTRICAL VEHICLE RECHARGING SERVICE NETWORK CONSTRUCTION VIA FITTING PREDICTION	2501
<i>X. Niu, X. Li, H. Li, C. Zhang, X. Liu</i>	
RESEARCH ON VOLTAGE OPTIMIZATION FOR SRG WIND POWER SYSTEM	2506
<i>Z. Huang, L. Yi, M. Tian, J. Cheng</i>	
WIND POWER PREDICTION BASED ON MULTIPOSITION NWP WITH ROUGH SET THEORY	2512
<i>S. Gao, L. Dong, X. Liao, Z. Gao, Y. Gao</i>	
DESIGN AND VERIFICATION OF AEROSTAT POWER SUPPLY SYSTEM	2518
<i>Y. Wen, J. He, Z. Hu, L. Zhang, D. Xu</i>	
POWER CONTROL BASED ON MICROCOMPUTER FOR SMALL WIND POWER SYSTEM	2523
<i>Z. Qi, L. Wang</i>	
A REVIEW OF INERTIA AND FREQUENCY CONTROL TECHNOLOGIES FOR VARIABLE SPEED WIND TURBINES	2527
<i>W. Gao, Z. Wu, J. Wang, S. Gu</i>	
NETWORKED OUTPUT FEEDBACK STABILIZATION WITH LOGARITHMIC QUANTIZATION ERRORS AND MULTIPLICATIVE RANDOM NOISES	2534
<i>Y. Feng, X. Chen, G. Gu</i>	
STABLE CONTROLLER DESIGN FOR LARGE-SCALE SYSTEMS WITH MISSING MEASUREMENTS AND SYSTEM DELAY	2540
<i>Y. Zhou, J. Zhu, Q. Zang, Q. Jin</i>	
MULTIPLE INPUT / OUTPUT DELAYS COMPENSATION FOR NETWORKED MIMO SYSTEMS	2545
<i>X. Meng, Y. Zhang, J. Zhang</i>	
ADAPTIVE REGULATOR FOR NETWORKED CONTROL SYSTEMS: MATLAB AND TRUE TIME IMPLEMENTATION	2551
<i>S. Srinivasan, M. Vallabhan, S. Ramaswamy, U. Kotta</i>	

SYNCHRONIZATION OF SAMPLED-DATA NETWORKED HARMONIC OSCILLATORS WITH CONTROLLER FAILURE AND COMMUNICATION TIME DELAYS	2556
<i>H. Zhang, L. Xiang, J. Zhou</i>	
FUZZY H_∞ TRACKING CONTROL FOR A CLASS OF NONLINEAR NETWORKED CONTROL SYSTEMS WITH A DISCRETE EVENT-TRIGGERED COMMUNICATION SCHEME.....	2562
<i>D. He, X. Jia, X. Chi, W. Ma</i>	
ROBUST H_∞ CONTROL FOR UNCERTAIN STOCHASTIC SYSTEM WITH SPECTRAL RESTRAINT.....	2568
<i>P. Cui, C. Zhang, M. Zhang</i>	
TIME-DELAY SYSTEM APPROACH TO DELAY INDEPENDENT STABILITY ANALYSIS AND CONTROLLER SYNTHESIS.....	2573
<i>Y. Li, G. Xia, J. Li, Z. Zhang</i>	
ROBUST D-STABILITY AND D-STABILIZATION OF DESCRIPTOR DISCRETE-TIME LINEAR SYSTEMS WITH POLYTOPIC UNCERTAINTIES AND MULTIPLE DELAYS.....	2577
<i>E. Cong, R. Zhang, F. Li, X. Zhang</i>	
FINITE-TIME STABILITY FOR SINGULAR LINEAR TIME-DELAY SYSTEMS WITH TIME-VARYING EXOGENOUS DISTURBANCE	2583
<i>G. Zhang, S. Wang, Y. Wang, Y. Lin</i>	
STATIC OUTPUT FEEDBACK STABILIZATION FOR A CLASS OF DISCRETE-TIME STOCHASTIC SYSTEMS WITH SECTOR NONLINEARITIES AND MIXED TIME-DELAYS.....	2587
<i>Y. Hu, X. Zhang</i>	
ROBUST STABILITY ANALYSIS FOR UNCERTAIN STOCHASTIC TIME-VARYING DELAY SYSTEMS USING DECOMPOSITION APPROACH	2593
<i>Q. Zeng, Y. Zhang, B. Tang</i>	
ANALYSIS OF MOTION CHARACTERISTICS OF THE STRATOSPHERIC AIRSHIP IN WIND FIELD	2599
<i>L. Chen, D. Duan</i>	
A ZMP AND COM ONLINE REPLANNING METHOD FOR STABLE WALKING OF BIPEDAL ROBOTS	2605
<i>J. Zhan, R. Xiong, Y. Sun</i>	
HIGH-EFFICIENCY MODEL-BASED CONTROL OF 6-DOF PARALLEL ROBOT USING POSITION MEASUREMENT ONLY	2612
<i>Q. Meng, T. Zhang, J. Song</i>	
FORMATION CONTROL OF MULTIPLE ROBOT FISHES BASED ON ARTIFICIAL POTENTIAL FIELD AND LEADER-FOLLOWER FRAMEWORK.....	2616
<i>H. Zhai, Z. Ji, J. Gao</i>	
A DUAL-MOTOR JOINT MODEL FOR HUMANOID ROBOTS.....	2621
<i>J. Xue, X. Chen, Y. Tian, Z. Yu, F. Meng, Q. Huang</i>	
ADAPTIVE CONTROLLER DESIGN FOR UPPER-LIMB REHABILITATION ROBOT	2626
<i>H. Kang, J. Wang, L. Yu, L. Xu</i>	
RANGE IDENTIFICATION OF A MOBILE ROBOT WITH A MONOCULAR CAMERA SYSTEM	2632
<i>X. Zhang, Y. Fang</i>	
RESEARCH ON DESIGN AND RECOGNITION OF COLOR MARKERS IN MOTION CAPTURE SYSTEM.....	2638
<i>Y. Wang, Z. Liu, Q. Zhou</i>	
POSE ESTIMATION BASED ON PNP ALGORITHM FOR THE RACKET OF TABLE TENNIS ROBOT.....	2642
<i>Q. Wang, L. Shi</i>	
IMPROVED SUPER-RESOLUTION ALGORITHM OF SINGLE-FRAME IMAGE BASED ON LEAST SQUARE METHOD	2648
<i>C. Shi, C. Xiu, S. Lu</i>	
OBSTACLE MODELING AND INFORMATION DESCRIPTION METHOD BASED ON C-SPACE FOR HARVESTING ROBOT.....	2652
<i>D. Zhao, J. Lv, W. Ji</i>	
SKIP MODE OPTIMIZATION BASED ON H.264/AVC.....	2658
<i>Weijie Lv, L. Dong, Weifeng Lv</i>	
THE EFFECT OF DIRECT-CURRENT FIELD ON THE ADAPTABILITY IN THE MINIMAL MODEL.....	2662
<i>J. Wang, K. Wang, L. Chang, B. Deng, X. Wei, H. Li</i>	
IMAGE RECONSTRUCTION METHOD BASED ON PHASED ARRAY COIL SENSITIVITY ESTIMATION IN PARALLEL MRI.....	2667
<i>C. Wu, R. Nie, J. Zhai</i>	
AUTOMATIC SLEEP STAGE CLASSIFICATION FOR DAYTIME NAP BASED ON HOPFIELD NEURAL NETWORK.....	2671
<i>X. Chen, B. Wang, X. Wang</i>	
CONSTRUCTING AND REPRESENTING DICOM SR IN RELATIONAL AND XML DATABASES BASED ON UNCERTAINTY RELATIONAL DATA MODEL	2675
<i>X. Feng, Z. Ma, Y. Zhan</i>	
RESEARCH ON HOPF BIFURCATION OF CORTICAL COLUMN MODEL WITH TIME DELAY	2681
<i>C. Li, L. Han, X. Zhang</i>	
P-NORM REGULARIZED SVM CLASSIFIER BY NON-CONVEX CONJUGATE GRADIENT ALGORITHM.....	2685
<i>X. Zuo, H. Huang, H. Li, J. Liu</i>	
LOW VOLTAGE RIDE THROUGH(LVRT) RESEARCH OF DFIG.....	2691
<i>L. Li, P. Zhang</i>	

ESTABLISHMENT AND SIMULATION OF HEAT AND MOISTURE TRANSFER MODEL OUTSIDE THE BOREHOLE BASED ON FINITE LENGTH CYLINDRICAL SURFACE	2696
<i>Yating Zhang, Ye Zhang</i>	
NO-LOAD GRID CONNECTION STRATEGY RESEARCH OF DFIG BASED ON CLOSE LOOP OF VOLTAGE	2701
<i>L. Li, P. Zhang, Z. Zhao</i>	
CONTROLLING HEAVING WAVE ENERGY CONVERTER USING FUNCTION-BASED MODEL PREDICTIVE CONTROL TECHNIQUE.....	2705
<i>M. Jama, A. Wahyudie, A. Assi, H. Noura</i>	
EFFECTIVENESS MODEL ANALYSIS OF ANTI-TANK MISSILES.....	2711
<i>Z. Duan</i>	
RESEARCH OF SENSOR FAULT DETECTION BASED ON THE RESIDUAL FILTERED FOR THE OILFIELD PETROLEUM EXPLOITED SYSTEM	2714
<i>T. Wang, Y. Zhai , C. Liu , Y. Zhang</i>	
RECURSIVE PLS-BASED SOFT-SENSING FOR OUTLET TEMPERATURE OF NEW DRY CEMENT DECOMPOSING FURNACE.....	2718
<i>X. Liu, L. Feng, K. Wen</i>	
INTERMITTENT AVAILABILITY AND ITS COMPUTATION MODEL FOR MULTIPLE IDENTICAL UNITS SYSTEM	2722
<i>L. Wang, J. Wu, X. Chen, C. Li, W. Na</i>	
THE MOVE ENSEMBLE METHOD	2726
<i>X. Wang, Y. Ping, Z. Mao</i>	
COMPARATIVE STUDIES OF MODEL PERFORMANCE BASED ON DIFFERENT DATA SAMPLING METHODS.....	2731
<i>Y. Lv, J. Liu, T. Yang</i>	
SCHEDULING A FUZZY FLOWSHOP PROBLEM TO MINIMIZE WEIGHTED EARLINESS-TARDINESS	2736
<i>P. Yan, M. Jiao, L. Zhao</i>	
SOLVING A SINGLE MACHINE SCHEDULING PROBLEM WITH UNCERTAIN DEMAND USING QPSO ALGORITHMS	2741
<i>P. Yan, M. Jiao , X. Yao</i>	
QUANTUM PARTICLE SWARM OPTIMIZATION FOR BATCH SCHEDULING PROBLEM OF A SINGLE PROCESSOR IN CHEMICAL INDUSTRIES.....	2746
<i>Q. Tang, P. Liu, X. Zhou, C. Li</i>	
OPTIMIZATION FOR DECENTRALIZED-DUAL-CHANNEL SUPPLY CHAIN BASED ON GAME THEORY	2750
<i>H. Yin, Y. Wang</i>	
SPEED-UP METHOD FOR CALCULATING TOTAL FLOWTIME IN PERMUTATION FLOW SHOP SCHEDULING PROBLEM.....	2755
<i>J. Duan, Y. Yang, K. Gao, J. Li, Q. Pan</i>	
RESEARCH AND DEVELOPMENT ON INTELLIGENT MEASURING SYSTEM OF COMPOSITION IN SN-PB MELTING ALLOY	2759
<i>M. Shen, Y. Qiao, L. Feng</i>	
THE DESIGN AND IMPLEMENTATION OF DUAL-MODE WIRELESS SENSOR NETWORK FOR REMOTE MACHINERY CONDITION MONITORING	2765
<i>H. Wang, L. Li, J. Fu, W. Bao, T. Wang</i>	
USB INTERFACE DESIGN OF INSTRUMENT BASED ON CDC PROTOCOL.....	2770
<i>Y. Hao, H. Sun</i>	
AN IMPROVED METHOD FOR PARTICLE MEASUREMENT BASED ON DIFFRACTION AND PATTERN RECOGNITION.....	2774
<i>F. Ma, R. Ding, M. Hao</i>	
RESEARCH ON IMAGE SEGMENTATION AND EXTRACTION ALGORITHM FOR BICOLOR WATER LEVEL GAUGE	2779
<i>T. Sun, C. Zhang, L. Li, H. Tian, B. Qian, J. Wang</i>	
A NEW METHOD FOR PARTICLE VELOCITY MEASUREMENT BASED ON FAST ALGORITHM FOR CROSS-CORRELATION AND FILTER INTERPOLATION	2784
<i>Y. Wang, D. Wang, G. Yang</i>	
FINITE-TIME CONTROL OF SAMPLED-DATA SYSTEMS	2788
<i>H. Liu, H. Zhou, S. Ding, P. Wang</i>	
RESEARCH ON TEST TECHNOLOGY OF RFID SYSTEM.....	2793
<i>Z. Guo</i>	
RESEARCH ON KEY TECHNOLOGIES AND APPLICATION OF INTERNET OF THINGS.....	2797
<i>Z. Guo</i>	
RESEARCH ON ULTRASONIC GUIDED WAVE TESTING PIPELINE CORROSION BASED ON WAVELET TRANSFORM	2802
<i>Y. Sun, B. Dai</i>	
CLOUD MANUFACTURING SERVICE COMPOSITION MODELING AND FORMAL VERIFICATION BASED ON CALCULUS FOR ORCHESTRATION OF WEB SERVICE	2806
<i>Y. Li, X. Yao, J. Zhang, B. Li</i>	
A NOVEL POTENTIAL FIELD METHOD FOR PATH PLANNING OF MOBILE ROBOT	2811
<i>H. Zhu, J. Wang, J. Li</i>	

AN ADAPTIVE GLOBAL MOTION ESTIMATION METHOD BASED ON IMPROVED SUSAN ALGORITHM AND SIFT ALGORITHM.....	2815
<i>L. Cao, H. Zhang</i>	
ROBOT CONTROL DESIGN BASED ON SMARTPHONE	2820
<i>X. Lu, W. Liu, H. Wang, Q. Sun</i>	
ANTI-INTERFERENCE AND STABLE WALKING OF BIPED ROBOT BASED ON A STRUCTURED GAIT.....	2824
<i>D. Wang, F. Xue, Z. Hou</i>	
MULTI-ROBOT FORMATION CONTROL AND SIMULATION	2830
<i>L. Wu, H. Wang</i>	
A REVIEW ON ROBOT LEARNING AND CONTROLLING: IMITATION LEARNING AND HUMAN-COMPUTER INTERACTION.....	2834
<i>Q. Wang, D. Xu, L. Shi</i>	
SEGMENTATION METHODS FOR NOISE LEVEL ESTIMATION AND ADAPTIVE DENOISING FROM A SINGLE IMAGE.....	2839
<i>S. Fang, Q. Shi, Y. Cao</i>	
BACKSTEPPING NEURODYNAMICS BASED POSITION-TRACKING CONTROL OF UNDERACTUATED AUTONOMOUS SURFACE VEHICLES.....	2845
<i>C. Pan, X. Lai, S. Yang, M. Wu</i>	
IMPLEMENTATION AND EXPERIMENTAL STUDY ON THE CONTROL SYSTEM OF THE STEWART PLATFORM MODEL OF FAST	2851
<i>F. He, F. Jing, G. Yang, E. Li, Z. Liang, D. Yu</i>	
A FAST AND ROBUST CIRCLE DETECTION METHOD USING PERPENDICULAR BISECTOR OF CHORDS	2856
<i>L. Luo, D. Xu, Z. Zhang, J. Zhang, W. Qu</i>	
RESEARCH ABOUT LOCAL PATH PLANNING OF MOVING ROBOT BASED ON IMPROVED ARTIFICIAL POTENTIAL FIELD	2861
<i>J. Yu, H. Du, G. Wang, L. Zhou</i>	
PATH PLANNING BASED ON FUZZY LOGIC ALGORITHM FOR MOBILE ROBOTS IN STATIC ENVIRONMENT	2866
<i>Q. Li, C. Zhang, C. Han, Y. Xu, Y. Yin, W. Zhang</i>	
MULTI-GOAL PATH PLANNING ALGORITHM FOR MOBILE ROBOTS IN GRID SPACE	2872
<i>H. Liu, X. Jiang, H. Ju</i>	
RESEARCH ON THE CONFIGURATION METHOD OF MOBILE ROBOT AND ITS REALIZATION.....	2877
<i>S. Zheng, W. Zhang, C. Liu, C. Guo</i>	
THE DEPLOYMENT ALGORITHM OF HETEROGENEOUS WIRELESS SENSOR NETWORKS BASED ON ENERGY-BALANCE	2884
<i>N. Hu, C. Wu, P. Ji, Y. Sun</i>	
A COVERAGE-ENHANCE SCHEDULING ALGORITHM FOR 3D DIRECTIONAL SENSOR NETWORKS.....	2888
<i>P. Ji, J. Jiang, C. Wu, H. Liu</i>	
RESEARCH ON MOBILE ROBOT PERCEPTUAL SYSTEM BASED ON ZIGBEE.....	2893
<i>Q. Zhang, H. Yu, Y. Xie</i>	
AN IMPROVED MAC PROTOCOL FOR UNDERWATER ACOUSTIC NETWORKS	2897
<i>P. Wang, D. Fu, J. Xing, Q. Yang, R. Wang, W. Wu</i>	
GENERALIZED TSS AND ITS OPTIMIZATION	2904
<i>C. Xu, Z. M. Ma, H. Ma, C. Yu, X. Xu</i>	
APPLICATION OF AUTOMATIC PROPORTIONING SYSTEM IN THE IRON ORE PELLETTIZING PLANT	2910
<i>J. Wang</i>	
AN OPTIMIZED-BASED ION ETCH YIELD MODELING METHOD IN PLASMA ETCHING	2913
<i>H. Yang, Y. Song, S. Zheng, L. Wang, P. Jia</i>	
PATH PLANNING FOR INDOOR UAV BASED ON ANT COLONY OPTIMIZATION.....	2919
<i>Y. He, Q. Zeng, J. Liu, G. Xu, X. Deng</i>	
STEADY AVAILABILITY OPTIMISATION OF REPAIRABLE SYSTEM WITH PREVENTIVE MAINTENANCE POLICY	2924
<i>Z. Wang, X. He, Y. Meng, H. Xu</i>	
HYBRID DIFFERENTIAL EVOLUTION HARMONY SEARCH ALGORITHM FOR NUMERICAL OPTIMIZATION PROBLEMS.....	2930
<i>Z. Cui, L. Gao, H. Ouyang, H. Li</i>	
RESEARCH AND IMPROVEMENT OF THE REAL-CODED CHAOTIC QUANTUM-INSPIRED GENETIC ALGORITHM	2934
<i>S. Duan, J. Mao, F. Xiang</i>	
RESEARCH OF PATH PLANNING METHOD BASED ON THE IMPROVED VORONOI DIAGRAM.....	2940
<i>C. Peng, X. Lu, J. Dai, L. Yin</i>	
HMM BASED MODELING AND HEALTH CONDITION ASSESSMENT FOR DEGRADATION PROCESS.....	2945
<i>L. Xia, H. Fang, H. Zhang</i>	
A GENERAL DATA-DRIVEN ALGORITHM FOR LIFETIME PREDICTION	2949
<i>Q. Li, N. Lu, B. Jiang</i>	
SENSOR FAULT DIAGNOSIS METHOD BASED ON FRACTAL DIMENSION.....	2955
<i>P. Qian, J. Liu, W. Zhang, Y. Li</i>	

BINARY TREE CLASSIFICATION ALGORITHM BASED ON GA AND ITS APPLICATION IN THE GEAR MACHINE FAULT DIAGNOSIS	2961
<i>X. Lang, W. Yan</i>	
DETERMINATION OF THE PRINCIPAL COMPONENTS FOR THE OPTIMAL DETECTION PERFORMANCE OF A COMBINED INDEX	2966
<i>T. Qiu, X. Bai, X. Zheng, X. Zhu</i>	
ENGINEERING IMPLEMENTATION ON FAULT DIAGNOSIS FOR QUADROTORS BASED ON NONLINEAR OBSERVER	2971
<i>Z. Cen, H. Noura, T. Susilo, Y. Al Younes</i>	
EXACT DESCRIPTION OF FEASIBLE PARAMETER SET FOR BOUNDED-NOISE MODELS	2976
<i>L. He, X. Sun, H. Qiu</i>	
ADAPTIVE GENETIC ALGORITHM FOR PARAMETER IDENTIFICATION OF CENTRIFUGAL COMPRESSOR	2982
<i>X. Wang, X. Bai, B. Jiang</i>	
AN ADAPTIVE PARTICLE FILTER (APF) FOR ESTIMATING STATES OF NONLINEAR SYSTEM WITH UNKNOWN PARAMETERS	2987
<i>D. Zhao, T. Li, Z. Huang, S. Su</i>	
NEW MODELING APPROACH OF SCALE-FACTOR TEMPERATURE DRIFT BASED ON GAUSSIAN PROCESS REGRESSION FOR FOG	2992
<i>Z. He, G. Liu, Z. Yao, X. Zhao</i>	
A NEW ON-LINE SYSTEMATIC ERRORS REGISTRATION METHOD	2997
<i>Z. Lin, P. Quan, L. Yan, Z. Jie</i>	
APPLICATION OF ONLINE SVR ON THE DYNAMIC LIQUID LEVEL SOFT SENSING	3003
<i>S. Bai, Z. Jiang, T. Wang, H. Lai</i>	
SEPARATE-BIAS QUATERNION ESTIMATION OF SINS ALIGNMENT UNDER LARGE INITIAL HEADING ERROR	3008
<i>Q. Nie, X. Gao</i>	
A NEW TYPE OF PWM RECTIFIER WITH FUNCTION OF HARMONIC SUPPRESSION AND REACTIVE POWER COMPENSATION	3013
<i>Q. Vu Minh, W. Han, D. Wang, X. Wang</i>	
WAVE FORCE ATTENUATION CONTROL FOR OFFSHORE STEEL JACKET PLATFORMS VIA OPTIMAL GUARANTEED COST SLIDING MODE SCHEMES	3018
<i>B. Zhang, H. Ma, G. Tang</i>	
PERFORMANCE COMPARISON OF HOLOGRAPHIC WATERMARKING FOR COLOR IMAGES IN RGB AND CMYK CHANNELS	3024
<i>X. Yong, W. Shan, Q. Feng, L. Juan, J. Wang</i>	
AMENDED DISTURBANCE OBSERVER DESIGN AND ITS APPLICATION IN ACTIVE VIBRATION CONTROL FOR PIEZOELECTRIC STRUCTURE	3028
<i>S. Li, R. Zhao, J. Li, Y. Mo</i>	
ADAPTIVE PROPORTION NAVIGATION GUIDANCE FOR VEHICLE TERMINAL FLIGHT	3034
<i>Z. Li, R. Zhang, H. Li</i>	
FUZZY CONTROL OF SMALL-SCALE UNMANNED HELICOPTER	3040
<i>J. Ye, S. Tang, L. Zhang, H. Guo</i>	
BASED ON THE SIMILARITY OF INTERVAL-VALUED INTUITIONISTIC FUZZY SETS DEFINED BY ENTROPY IN THE APPLICATION OF COMMODITY RECOMMENDATION	3046
<i>P. Luo, Y. Li, C. Wu</i>	
A NEW FUZZY ROBUST H_{∞} FILTERING FOR NONLINEAR SYSTEMS WITH TIME-VARYING DELAYS	3051
<i>Y. Su</i>	
A CONTROL SCHEME FOR A CLASS OF UNCERTAIN NONLINEAR SYSTEMS WITH STATE DELAY AND ACTUATOR DEAD-ZONE	3057
<i>P. Li, F. Jin, B. Zhou</i>	
IMPROVED STABILITY AND STABILIZATION CONDITIONS FOR TAKAGI-SUGENO FUZZY SYSTEMS VIA FUZZY LYAPUNOV FUNCTIONS	3063
<i>G. Liu</i>	
A NEW FUZZY LYAPUNOV FUNCTION APPROACH TO STABILITY ANALYSIS AND CONTROL SYNTHESIS FOR TAKAGI-SUGENO FUZZY SYSTEMS	3068
<i>G. Liu, X. Liu, Y. Zeng</i>	
MATHEMATICAL MODEL AND ALGORITHM OF OPTIMAL RESOURCE ALLOCATION IN THE LARGE IRON & STEEL COMPLEX	3074
<i>D. Pan, Y. Zheng</i>	
INTEROPERABILITY AND DEVELOPMENT PROCESS MODEL OF THE EMBEDDED SIMULATION SYSTEM	3080
<i>X. Qian, W. Li, M. Yang</i>	
SIMULATION AND FAULT DIAGNOSIS FOR BLDCM	3085
<i>Z. Li, X. Fan, H. Mao, J. Cui</i>	
STUDY ON SOFT MEASUREMENT OF SO₂ CONVERSION RATIO OF PRODUCING SULFURIC ACID FROM METALLURGICAL OFF-GAS BASED ON MLR	3091
<i>N. Wang, Q. Huang, L. Feng</i>	

CROSS-COUPLED SYNCHRONIZING CONTROL OF DUAL SUSPENSION SYSTEMS OF GANTRY CNC MACHINE	3095
<i>C. Liu, G. Rong, Y. Zhang</i>	
APPLICATION AND THE PARAMETER TUNING OF ADRC BASED ON BFO-PSO ALGORITHM	3099
<i>C. Liu, Y. Chu, L. Wang, Y. Zhang</i>	
EXPECTATIVE MODELING OF WIDE-AREA DAMPING NETWORKED CONTROL SYSTEMS WITH LONG STOCHASTIC TIME DELAY	3103
<i>X. Zhang, C. Lu, Y. Han</i>	
OUTPUT-FEEDBACK DESIGN OF NETWORKED CONTROL SYSTEMS AND ESTIMATING MAXIMUM DATA PACKETS DROPOUT	3109
<i>S. Xu, X. Cai, H. Gao</i>	
OPTIMAL SCHEDULING ALGORITHM FOR MULTI-TASKS IN DISTRIBUTED CONTROL SYSTEMS	3114
<i>H. Liu</i>	
NEW METHOD FOR WIRELESS NETWORK CONTROL SYSTEMS WITH UNCERTAIN INPUT DELAY	3120
<i>Q. Mu, F. Long, B. Li, Y. Di</i>	
FAULT DETECTION FOR NETWORKED SYSTEMS WITH RANDOMLY OCCURRING NONLINEARITIES VIA SWITCHED SYSTEM APPROACH	3125
<i>X. Wan, H. Fang, F. Yang</i>	
A DYNAMIC SCHEDULING METHOD OVER A LIMITED COMMUNICATION	3131
<i>L. Zhou</i>	
INTERACTIVE QUERY FOR OWL-ORIENTED QA SYSTEM	3137
<i>M. Gao, F. Chen</i>	
DISTRIBUTED INTERACTIVE 3D COMBAT SIMULATION SYSTEM FOR THE ARMY TRAINING AND TESTING	3143
<i>F. Yao, L. Cui, S. Chai, G. Zhang</i>	
EMOTION FEATURE SELECTION FROM PHYSIOLOGICAL SIGNALS USING TABU SEARCH	3148
<i>Y. Wang, J. Mo</i>	
ESTIMATING USERS' INTENTIONS AND BEHAVIOURS OF ELECTRONIC BIDDING SYSTEM	3151
<i>J. Chen, Z. Chiang</i>	
SPEECH EMOTION RECOGNITION BASED ON WAVELET TRANSFORM AND IMPROVED HMM	3156
<i>Z. Han, J. Wang</i>	
RESEARCH ON SPECTRAL CLUSTERING ALGORITHMS BASED ON BUILDING DIFFERENT AFFINITY MATRIX	3160
<i>X. Degang, Z. Panlei, G. Weihua, Y. Chunhua, X. Yongfang</i>	
PASSIVE DYNAMIC MODEL FOR WALKING DOWN STAIRS	3166
<i>K. An, Q. Chen</i>	
AN ODOMETRY ESTIMATION METHOD FOR MICRO INDOOR FLYING ROBOT WITH LIGHTWEIGHT SENSORS	3173
<i>Z. Fang, L. Zhang</i>	
HIGH-SPEED TRAJECTORY TRACKING BASED ON MODEL PREDICTIVE CONTROL FOR OMNI-DIRECTIONAL MOBILE ROBOTS	3179
<i>Z. Zeng, H. Lu, Z. Zheng</i>	
DESIGN AND ANALYSIS OF QUASI-PERIODIC CIRCULAR-LIKE FORMATION AROUND AN OBLATE EARTH AT SUBCRITICAL INCLINATION	3185
<i>G. Xu, Z. Du</i>	
PEOPLE-FOLLOWING SYSTEM DESIGN FOR MOBILE ROBOTS USING KINECT SENSOR	3190
<i>G. Xing, S. Tian, H. Sun, W. Liu, H. Liu</i>	
MOBILE ROBOTIC CONTROL SYSTEM BASED ON MASTER-SLAVE TELEOPERATE MECHANICAL ARM	3195
<i>Y. Chao, Y. Zhou, Y. Khai</i>	
MOBILE ROBOT MAP BUILDING IN EIGENSPACE – A PCA-BASED APPROACH	3199
<i>K. Wang, L. Zhao, R. Li</i>	
IMPROVED DEFORMABLE PART MODEL FOR OBJECT DETECTION BASED ON SCALE INVARIANT FEATURE TRANSFORM	3204
<i>J. Dou, J. Li</i>	
OPTIMIZING DISTRIBUTED TOP-K QUERIES ON UNCERTAIN DATA	3209
<i>Z. Zhibin, Y. Yang, B. Yubin, Y. Ge</i>	
STRAP-DOWN INERTIAL NAVIGATION SYSTEM APPLIED IN ESTIMATING THE TRACK OF MOBILE ROBOT BASED ON MULTIPLE-SENSOR	3215
<i>Z. Qingxin, W. Luping, Z. Shuaishuai</i>	
AUDIO SENSORS FUSION BASED ON VOTE FOR ROBOT NAVIGATION	3219
<i>Q. Zhang, F.-Q. Zhao, Z.-J. Liu, P. Yang</i>	
MULTIFOCUS IMAGE FUSION USING LOCAL PERCEIVED SHARPNESS	3223
<i>L. Xu, J. Du, J. Lee, Q. Hu, Z. Zhang, M. Fang, Q. Wang</i>	
A FUSION ATTITUDE DETERMINATION METHOD BASED ON QUATERNION FOR MEMS GYRO/ACCELEROMETER/MAGNETOMETER	3228
<i>Z. Yongjie, Z. Haiyun, Z. Tao, W. Leigang</i>	
RESEARCH ON RANDOM DRIFT MODELING AND A KALMAN FILTER BASED ON THE DIFFERENTIAL SIGNAL OF MEMS GYROSCOPE	3233
<i>X. Yan, C. Wenjie, P. Wenhui</i>	

PERFORMANCE PREDICTION OF LOW COST INTEGRATED NAVIGATION SYSTEM BASED ON MEMS SENSORS	3238
<i>Z. Liu, F. Tan</i>	
A RESEARCH ON CALIBRATION OF LOW-PRECISION MEMS INERTIAL SENSORS	3243
<i>W. Ren, T. Zhang, H.-Y. Zhang, L.-G. Wang, Y.-J. Zhou, M.-K. Luan, H.-F. Liu, J.-W. Shi</i>	
A NOVEL DENOISING METHOD AND ITS APPLICATION TO MEMS GYRO SIGNAL	3248
<i>L. Wang, X. Cheng, Z. Jia</i>	
RECONFIGURABLE DUAL FREQUENCY MICROSTRIP MIMO PATCH ANTENNA USING RF MEMS SWITCHES FOR WLAN APPLICATION	3254
<i>H. Joodaki, H. Valiee, M. Bayat</i>	
FRACTIONAL ORDER PROPORTIONAL INTEGRAL DIFFERENTIAL CONTROLLER DESIGN FOR FIRST ORDER PLUS TIME DELAY SYSTEM	3259
<i>C. Wang, W. Fu, Y. Shi</i>	
AN OPTIMIZATION DESIGN OF THE WEIGHT OF COST FUNCTION IN STOCHASTIC ROBUSTNESS ANALYSIS AND DESIGN	3263
<i>W. Yongming, W. Sentang</i>	
ONLINE STATOR AND ROTOR FAULT DIAGNOSIS IN INDUCTION MACHINES BY H_∞ OBSERVER AND SLIDING MODE ESTIMATOR	3269
<i>C. Nohra</i>	
THE NON-FRAGILE ROBUST H_∞ CONTROLLER DESIGN WITH SYSTEM UNCERTAINTY	3275
<i>C.-W. Yang, J. Chen</i>	
H_∞ LOOP-SHAPING DESIGN OF FLEXIBLE SYSTEMS	3279
<i>R. Hongliang</i>	
DELAY-DEPENDENT ROBUST H_∞ CONTROL FOR NONLINEAR UNCERTAIN STOCHASTIC SYSTEMS WITH TIME DELAY	3285
<i>P. Shi, H. Jia, Z. Xing</i>	
NONLINEAR H_∞ STATE FEEDBACK CONTROL FOR UNSTABLE PLANTS	3291
<i>M. Fanwei, H. Zhen, Y. Chunfeng</i>	
LQR CONTROL SCHEME FOR ACTIVE VEHICLE SUSPENSION SYSTEMS BASED ON MODAL DECOMPOSITION	3296
<i>X. Wei, J. Li, X. Liu</i>	
STABILITY ROBUSTNESS OF CONTROL SYSTEM IN ANGULAR METRIC	3302
<i>B. Liu, W.-F. Ci, B.-W. Huo</i>	
ROBUST H_∞ CONTROL OF NONLINEAR TIME-VARYING DELAY SYSTEMS WITH POLYTOPIC UNCERTAINTY	3308
<i>Y. Chen, N. Jiang</i>	
CONTROL DESIGN FOR CONTINUOUS-TIME LINEAR SYSTEMS WITH QUANTIZATION MISMATCH	3314
<i>B.-C. Zheng, Y.-M. Xue, L.-P. Yin</i>	
THE DESIGN AND IMPLEMENTATION OF WIRELESS SENSOR NETWORK MONITORING AND CONTROL SYSTEM BASED ON MODBUS/TCP	3319
<i>F. Jingqi, G. Jun, Z. Xueli, D. Xin, L. Fuwei</i>	
DISSIPATIVITY ENFORCEMENT OF LINEAR CONTINUOUS-TIME SINGLE-INPUT SINGLE-OUTPUT SYSTEMS	3324
<i>X. Du, C. Wang, X. Zhu, Y. Peng</i>	
DISSIPATIVITY ENFORCEMENT OF LINEAR DISCRETE-TIME SYSTEMS VIA LMI-BASED OPTIMIZATION	3329
<i>X. Du, C. Wang, X. Zhu, Y. Peng</i>	
DELAY-DEPENDENT NON-FRAGILE $L_2 - L_\infty$ CONTROL FOR CONTINUOUS-TIME SYSTEMS WITH STATE DELAYS	3335
<i>H. Zhang, H. Zhang, Z. Li</i>	
ROBUST CONTROL OF PERMANENT MAGNET SYNCHRONOUS MOTOR BASED ON HAMILTONIAN SYSTEM THEORY	3341
<i>Y. Liu, H. Wu</i>	
RELIABLE PASSIVE CONTROL FOR A CLASS OF DELAYED SINGULAR SYSTEMS WITH RANDOM FAILURES	3347
<i>D. Yu, X. Zhang, X. Lin</i>	
OBSERVER-BASED H_∞ CONTROL FOR DISCRETE-TIME SYSTEMS WITH RANDOM COMMUNICATION DELAYS	3353
<i>G. Liu, Y. Yang, C. Yuan</i>	
AN ANALYTICAL DESIGN OF FRACTIONAL ORDER PROPORTIONAL INTEGRAL DIFFERENTIAL CONTROLLER FOR ROBUST VELOCITY SERVO	3359
<i>C. Wang, W. Fu, Y. Shi</i>	
ROBUST COORDINATED CONTROL FOR SHIP POWER SYSTEMS WITH SVC AND POWER THRUSTER LOADS	3363
<i>J. Meng, J. Yu, H. Lan, F. Liu</i>	
PIECEWISE OBSERVER-BASED H_∞ CONTROL TO NUCLEAR STEAM GENERATOR WATER LEVEL	3368
<i>W. Yuan, J. Wang</i>	
RESEARCH ON ELECTROSLAG REMELTING TECHNOLOGY AND INTELLIGENT CONTROL METHODS	3374
<i>W. Jie-Sheng, L. Lin, Y. Yang, L. Guan-Nan</i>	

A METHOD OF DESIGNING INTERNAL MODEL PID CONTROLLER FOR MULTIVARIABLE TIME-DELAY PROCESS.....	3380
<i>Y. Liang, Z. Zhicheng</i>	
REALIZATION OF FACE RECOGNITION SYSTEM BASED ON GABOR WAVELET AND ELASTIC BUNCH GRAPH MATCHING	3384
<i>L. Xue-Fang, P. Tao</i>	
RESEARCH ON SPEED CONTROL OF PIPELINE INNER INSPECTION TOOL.....	3387
<i>G. Xu, D. Bo</i>	
EVOLUTIONARY TOPOLOGY PROGRAMMING FOR ANALOG CIRCUIT FAULT TOLERANT DESIGN	3391
<i>M. Xue, J. He</i>	
DISPATCHING ALGORITHM DESIGN FOR ELEVATOR GROUP CONTROL SYSTEM WITH Q-LEARNING BASED ON A RECURRENT NEURAL NETWORK	3397
<i>W. Liu, N. Liu, H. Sun, G. Xing, Y. Dong, H. Chen</i>	
NEW RESEARCH ADVANCES IN FACIAL EXPRESSION RECOGNITION	3403
<i>Z. Guo-Feng, W. Ke-Jun, Y. Lei, F. Gui-Xia</i>	
EEG TIME-FREQUENCY ANALYSIS BASED ON THE IMPROVED S-TRANSFORM	3410
<i>S. Zhang, D. Huang</i>	
THE OPTIMAL SYNCHRONIZABILITY OF A CLASS NETWORK.....	3414
<i>Q. Xinyun, W. Lifu, G. Yuan, W. Yaping</i>	
MODELING MICRO-BLOG NETWORK STRUCTURE BASED ON COMBINATION OF ONLINE COMMUNITIES.....	3419
<i>N. Zhang, Y. Chai, Y. Liu, H. Sun</i>	
ANALYSIS AND TESTING OF DELAY IN HLA-BASED DISTRIBUTED SIMULATION SYSTEM	3425
<i>C. Chen, L. Chao</i>	
INTER-REGIONAL MODELING AND CONTROL STRATEGY RESEARCH OF NETWORKED CONTROL SYSTEM.....	3430
<i>Y. Mei, L. Jie, Y. Xiaodan</i>	
ROBUST CONTROL FOR TCP NETWORK SYSTEMS WITH INPUT DELAY	3435
<i>W. Du, H. Lin, H. Yang</i>	
THE DESIGN AND IMPLEMENTATION OF A NETWORK VIRTUAL SIMULATION SYSTEM.....	3439
<i>Z. Li, L. Cui, S. Chai, G. Zhang</i>	
A PARALLEL SINGLE-SOURCE SHORTEST PATH ALGORITHM BASED ON BUCKET STRUCTURE	3445
<i>Q. Li, W. Wei</i>	
THE APPLICATION AND RESEARCH OF PARALLEL FILE SYSTEM IN ELECTRIC POWER ENTERPRISE PORTAL SYSTEM.....	3451
<i>Z. Jingxin, Z. Yongbin, Y. Liangliang</i>	
VISUAL SERVO CONTROL SYSTEM FOR NARROW BUTT SEAM	3456
<i>H. Chen, F. Lei, G. Xing, W. Liu, H. Sun</i>	
A FILTER ALGORITHM BASED ON VERTICAL-HORIZONTAL SUBWINDOWS AND MEDIAN-MEAN	3462
<i>D.-H. Shen, X.-H. Chang, E. Xu, J. Hou</i>	
FAST LOCATING WITH GLOBAL PROBABILITY DENSITY ESTIMATION.....	3466
<i>Z. Bin, Z. Hui, Z. Bochuan</i>	
MATCH PROPAGATION STARTING FROM A SINGLE INITIAL CORRESPONDENCE UNDER WIDE BASELINE VIEWS.....	3472
<i>J.-K. Dong, K. Liu, J.-N. Wang</i>	
RESEARCH ON THE OWNERSHIP OF USER TOUCH POINTS OF MULTI-USER COOPERATIVE INTERACTION IN MULTI-USER MULTI-TOUCH SYSTEM.....	3478
<i>J.-N. Chi, C.-C. Liu, B. Zhu, J.-W. Liu, L. Liu</i>	
A MULTI-AGENT TASK ALLOCATION STRATEGY BASED ON ARTIFICIAL IMMUNE SYSTEM	3486
<i>Z. Liang, C. Zheng, J. Shen, J. Liu, S. Zhu</i>	
MULTI-AGENT COLLABORATIVE APPROACHES IN RCRSS	3492
<i>J. Shen, Z. Liang, J. Liu, S. Zhu</i>	
OPTIMAL DISTRIBUTED CHARGING COORDINATIONS OF PLUG-IN ELECTRIC VEHICLES WITH MARKET UNIFORM CLEARING PRICE MECHANISM	3497
<i>M. Zhongjing, R. Long</i>	
A NOVEL NONLINEAR MODEL PREDICTIVE CONTROL METHOD BASED ON LMI AND FEEDBACK LINEARIZATION	3503
<i>R. Pang, Z. Shi</i>	
COMMAND OPTIMIZATION FOR MISSILE ROLL AUTOPILOT	3509
<i>C. Xiaoxi, L. Yingming, W. Tao, Z. Dongxiang, W. Linping, Z. Nan</i>	
EXAMPLES ON PARTICLE SWARM OPTIMIZATION SOLVE ASSIGNMENT PROBLEM.....	3513
<i>S. Wang, L. Wang, Y. Li, S. Zhang, Y. Xu</i>	
AIRCRAFT FAULT TOLERANT CONTROL BASED ON ACTIVE SET METHOD	3516
<i>L. Zhong, F. Mora-Camino</i>	
THE MTSP OPTIMAL MODEL SUITED FOR LOCAL-CROSS REPEAT PATH.....	3522
<i>Y. Xu, S. Kang, H. Lin</i>	
STEP-WISE SEQUENTIAL PHASE PARTITION ALGORITHM AND ON-LINE MONITORING STRATEGY FOR MULTIPHASE BATCH PROCESSES.....	3526
<i>C. Zhao, Y. Sun</i>	

FAULT ISOLATION FOR LIGHT RAIL VEHICLE SUSPENSION SYSTEM BASED ON MULTI-SENSOR INFORMATION FUSION	3532
<i>X. Wei, K. Guo, H. Liu, L. Jia</i>	
A NEW FAULT CLASSIFICATION MODEL FOR PROGNOSIS AND DIAGNOSIS IN CNC MACHINE	3538
<i>K. Al-Jonid, J. Wang, M. Nurudeen</i>	
DATA-BASED INVERTER MULTIPLE FAULT DIAGNOSIS FOR VECTOR CONTROL INDUCTION MOTOR DRIVES	3544
<i>C. Huang, J. Zhao, G. Tao, W. Chaorong</i>	
PCA-SDG BASED FAULT DIAGNOSIS ON CAPL FURNACE TEMPERATURE SYSTEM.....	3550
<i>Y. Lu, F. Wang, Y. Chang, M. Jia, M. Zhu</i>	
A SURVEY OF FAULT DIAGNOSIS TECHNOLOGY FOR ELECTRONIC CIRCUIT BASED ON KNOWLEDGE TECHNOLOGY.....	3555
<i>W. Lijeng, Z. Xueyan, G. Yong, W. Guohui, L. Xiaojuan</i>	
A THREAT ASSESSMENT METHOD BASED ON CLOUD MODEL AND PARTICLE SWARM OPTIMIZATION	3560
<i>X.-N. Liu, Z.-H. Peng, F. Deng, J. Chen</i>	
A MANAGEMENT PLATFORM FOR TESTING BENCHMARKING AND ALGORITHM IN WEIGHTED VEHICLE ROUTING PROBLEMS.....	3565
<i>M. Yuyan, T. Jiayu, Y. Yang</i>	
CLOSED LOOP SUPPLY CHAIN PRICE AND ADVERTISING COORDINATION DECISION.....	3570
<i>J. Tan, X. Wang</i>	
WINNER DETERMINATION PROBLEM (WDP) WITH SUPPLY CURVE.....	3576
<i>X. Qian, M. Huang, T. Gao, K. Chen</i>	
RESEARCH ON MULTIPLE KILL VEHICLES FIREPOWER DISTRIBUTION STRATEGY BASED ON ADJUST GENETIC ALGORITHM.....	3582
<i>B. Chen, B. Yan, Y. Wang</i>	
LEAST TIME PATH PLANNING UNDER URBAN TIMETABLED PUBLIC TRANSPORT USING A* ALGORITHM	3587
<i>Y. Zhang, J. Tang, S. Lv</i>	
INJECTION QUANTITY CONTROL FOR GDI ENGINES	3593
<i>S. Guo, B. Xin, Y. Hu, H. Chen</i>	
RESEARCH OF MODELING AND SIMULATION ON ADAPTIVE FRONT-LIGHTING SYSTEM FOR CORNER BASED ON CCD.....	3598
<i>F. Guo, H. Xiao, S. Tang</i>	
THE APPLICATION AND RESEARCH OF THE LIQUID LEVEL CONTROL TECHNOLOGY USED IN MINERAL FLOTATION PROCESS WHICH BASED ON THE MODBUS COMMUNICATION PROTOCOL.....	3603
<i>Z. Li, S. Zhang, J. Lang, H. Shao</i>	
RESEARCH OF DIRECT POWER CONTROL FOR PWM RECTIFIER UNDER UNBALANCED GRID VOLTAGE	3607
<i>Z. Zheng, Z.-H. Zhang</i>	
OBSTACLE AVOIDANCE APPROACHES FOR QUADROTOR UAV BASED ON BACKSTEPPING TECHNIQUE.....	3613
<i>Q. Geng, H. Shuai, Q. Hu</i>	
RESEARCH AND APPLICATION OF AUTOMATIC COMPENSATION TECHNOLOGY FOR GRINDING WHEEL IN THE PROCESS OF REGRINDING	3618
<i>X. Xia, S. Bai, F. Liu, H. Wang, J. Dai</i>	
GUARANTEED COST CONTROL OF T-S NESTED FUZZY JUMP SYSTEM WITH DELAY AND PACKET-DROP	3624
<i>Y. Zhang, W. Zhao</i>	
EVALUATION OF PILOT ARRESTING LANDING BASED ON FUZZY OF HIERARCHY PROCESS.....	3630
<i>Z. Qidan, Z. Enjiao, L. Yingzhen, L. Jinlong</i>	
A NEW SIMILARITY MEASURE METHOD FOR VAGUE SETS	3634
<i>G. Xie, J. Yang, Y. Li</i>	
T-S FUZZY COORDINATED CONTROL FOR POWER UNIT BASED ON MULTI-OBJECTIVE OPTIMIZATION	3639
<i>W.-J. Hao, Q. Yan-Hui, L. Ze, W. Yong-Zhi, G. Han-Wen, Y. Jun</i>	
STABILITY ANALYSIS OF CONTINUOUS-TIME TAKAGI-SUGENO FUZZY SYSTEMS WITH PARAMETER UNCERTAINTIES.....	3645
<i>D. Zhao, F. Tao, B. Liu, D. Guan</i>	
STABILITY CRITERIA FOR A CLASS OF NONLINEAR TWO-DIMENSIONAL SYSTEMS VIA THE TAKAGI-SUGENO FUZZY MODEL.....	3650
<i>X. Zhang, D. Zhao, Z. Pei, X. Zhang, C. Li</i>	
RESEARCH ON WEB TOPIC DETECTION BASED ON DOMAIN LEXICON.....	3655
<i>Z. Zhibin, J. Yanfeng, B. Yubin</i>	
WIRELESS REMOTE MONITOR AND CONTROL SYSTEM BASED ON ZIGBEE AND WEB	3661
<i>P. Jia, W. Meiling</i>	
DESIGN OF INITIATIVE LUNG SIMULATOR ACHIEVED BY ARMIS3M1138.....	3667
<i>X. Liu, L. Xu, L. Wei, S. Chen</i>	
A ROTATION INVARIANT FEATURE EXTRACTION FOR 3D EAR RECOGNITION.....	3671
<i>Y. Li, Z. Mu, H. Zeng</i>	

MODEL PREDICTIVE CONTROL FOR HOUSEHOLD ENERGY MANAGEMENT BASED ON INDIVIDUAL HABIT	3676
<i>K. Long, Z. Yang</i>	
RESEARCH ON THE TECHNOLOGY OF MULTI-FUNCTIONAL ELECTRONIC INSPECTION LOCK WITH SOLAR RECHARGEABLE CHARACTERISTIC	3682
<i>L. Shun, Y. Xu</i>	
DISTRIBUTED SEQUENTIAL ADAPTIVE WEIGHTED LOCALIZATION OF A GAS-LEAKAGE SOURCE USING A WIRELESS SENSOR NETWORK	3686
<i>M. Cao, Q. Meng, Y. Wu, M. Zeng</i>	
NONLINEAR FUSION USING QUANTIZED MEASUREMENTS AND CUBATURE PARTICLE FILTER	3692
<i>X. Tang, B. Guan, Q. Ge, X. Xu</i>	
AN IMPROVED 2-D ASSIGNMENT ALGORITHM FOR TRACK-TO-TRACK ASSOCIATION	3698
<i>X. Liu, H. Yin, C. Tian, Z. Wu</i>	
REMOTE CONTROL SYSTEM OF SMART APPLIANCES BASED ON WIRELESS SENSOR NETWORK	3704
<i>T. Zhang, Q. Li, F. Ma</i>	
ENERGY OPTIMIZED APPROACH BASED ON CLUSTERING ROUTING PROTOCOL FOR WIRELESS SENSOR NETWORKS	3710
<i>J. Li, B. Cao, L. Wang, W. Wang</i>	
AN IMPROVED ROUTING ALGORITHM BASED ON LEACH FOR WIRELESS SENSOR NETWORKS	3716
<i>Y. Jing, L. Zetao, L. Yi</i>	
HYPERBOLIC TANGENT FUNCTION BASED ADAPTIVE TRAJECTORY TRACKING CONTROL FOR QUADROTORS	3721
<i>Z. Zuo, L. Tie</i>	
RESEARCH ON SVM-BASED DIRECT TORQUE CONTROL FOR PMSM OF ARTILLERY SPEED SERVO SYSTEM	3727
<i>T. Chen, C. Han, Y. Xie, Y. Zhao</i>	
SEMIGLOBAL SATURATED PRACTICAL STABILIZATION FOR NONHOLONOMIC MOBILE ROBOTS WITH UNCERTAIN PARAMETERS AND ANGLE MEASUREMENT DISTURBANCE	3731
<i>H. Chen, J. Zhang</i>	
THE SPEED CONTROL OF BRUSHLESS DC MOTOR BASED ON FUZZY GENETIC ALGORITHM	3737
<i>G. Deying, X. Rui</i>	
RESEARCH ON PERMANENT MAGNET SYNCHRONOUS MOTOR BASED ON ADAPTIVE SLIDING MODE CONTROLLER	3741
<i>C. Xing, W. Qiuxuan, W. Yuesheng, C. Zhangping, L. Dongliang</i>	
RESEARCH ON PMSM SERVO SYSTEM BASED ON SERCOS INTERFACE	3747
<i>F. Jin, L. Dong, W. Liu</i>	
A SPATIAL CORRELATION-BASED WIRELESS ROUTING ALGORITHM	3751
<i>L. Zhai, Z. Wang, Y. Zhu, D. Quan</i>	
DIMENSION REDUCTION BASED SPM FOR IMAGE CLASSIFICATION	3755
<i>W. Chen, K. Ding, X. Wu</i>	
MORPHOLOGY BASED PARTICLE FILTERING ALGORITHM FOR POINT TARGET TRACKING	3760
<i>R. Zhou, B. Liu, J. Teng</i>	
APPLICATION OF A HAND-EYE SELF-CALIBRATION TECHNIQUE IN ROBOT VISION	3765
<i>H. Wang, X. Fan, X. Lu</i>	
A GRAPH-BASED PLANE SEGMENTATION APPROACH FOR NOISY POINT CLOUDS	3770
<i>T. Wang, L. Chen, Q. Chen</i>	
METHODS OF DEPTH MEASUREMENT AND IMAGE FUSION BASED ON MULTI-FOCUS MICRO-IMAGES	3776
<i>Y. Ying-Jie, W. Xin-Gang, X. De, Z. Zheng-Tao, B. Ming-Ran, S. Gang</i>	
FAST HAZE REMOVAL FROM A SINGLE IMAGE	3780
<i>Q. Liu, M. Chen, D. Zhou</i>	
PERFORMANCE EVALUATION APPROACH FOR IMAGE MOSAICING ALGORITHM	3786
<i>Z. Weibo, L. Jianxun, Z. Zhi</i>	
REGION-BASED MULTI-FOCUS IMAGE FUSION USING THE LOCAL SPATIAL FREQUENCY	3792
<i>Q. Li, J. Du, F. Song, C. Wang, H. Liu, C. Lu</i>	
ADAPTIVE FUSION ALGORITHM OF CT AND MRI MEDICAL IMAGES BASED ON NSCT	3797
<i>W. Dai, L. Tan, A. Yang</i>	
LEG AMPUTEES MOTION PATTERN RECOGNITION BASED ON PRINCIPAL COMPONENT ANALYSIS AND BP NETWORK	3802
<i>L. Liu, P. Yang, Z. Liu, Y. Geng, J. Zhang</i>	
A STUDY ON GEAR SHIFTING SCHEDULE FOR 2-SPEED ELECTRIC VEHICLE USING DYNAMIC PROGRAMMING	3805
<i>Y. Xiang, L. Guo, B. Gao, H. Chen</i>	
RAIL VEHICLE RIDE COMFORT PREDICTION BASED ON BOGIE ACCELERATION MEASUREMENTS	3810
<i>X. Wei, Y. Liu, Q. Sun, L. Jia, Y. Wang</i>	
SHORT-TERM FORECASTING MODEL OF TRAFFIC FLOW BASED ON GRNN	3816
<i>Z. Leng, J. Gao, Y. Qin, X. Liu, J. Yin</i>	
A STOCHASTIC TRAFFIC EQUILIBRIUM MODEL AND ALGORITHM WITH COMBINED MODE	3821
<i>X. Li, G. Zhang, J. Zhang, X. Lv, M. Meng</i>	

RESEARCH OF LANE DETECTION AND RECOGNITION TECHNOLOGY BASED ON MORPHOLOGY FEATURE	3827
<i>J. Wang, S. Sun, J. Gong, Y. Cao</i>	
STUDY ON ACCELERATION SLIP REGULATION TORQUE DISTRIBUTION CONTROL STRATEGY FOR FOUR IN-WHEEL-MOTORS ELECTRIC VEHICLE STEERING	3832
<i>Q. Wang, L. Zhai, J. Wang, H. Feng</i>	
ADAPTIVE OUTPUT TRACKING CONTROL FOR A CLASS OF HIGH-ORDER NONLINEAR SYSTEMS WITH TIME-DELAY	3838
<i>J. Yu, H. Zeng, L. Huang, B. Wu</i>	
FINITE-TIME DISTURBANCE REJECTION CONTROL FOR ROBOTIC MANIPULATORS BASED ON SLIDING MODE DIFFERENTIATOR	3844
<i>J. Su, J. Yang, S. Li</i>	
ANALYSIS OF A SIRS MODEL WITH SELF- PROTECTION	3850
<i>Y. Cao, Y. Jing, F. Yuan, X. Zheng</i>	
MODIFIED PROJECTIVE SYNCHRONIZATION OF FRACTIONAL-ORDER CHAOTIC SYSTEMS BASED ON ACTIVE SLIDING MODE CONTROL	3853
<i>X. Yan, Q. Du, T. Shang</i>	
AUTO-BACKLUND TRANSFORMATIONS FOR A GROUP OF NONLINEAR KLEIN-GORDON EQUATIONS	3859
<i>X. Wang</i>	
SDRE BASED OPTIMAL TIME-VARYING SLIDING MODE CONTROL FOR RE-ENTRY VEHICLE	3862
<i>L. Wang, Y. Sheng, X. Liu, J. Geng</i>	
ROTATING STALL INCEPTION IN AXIAL COMPRESSORS UNDER PERIODIC PERTURBATIONS	3868
<i>W. Dong, Y. Wang</i>	
STABILITY AND STABILIZATION FOR NONLINEAR DISCRETE-TIME SINGULAR MARKOV JUMP SYSTEMS WITH TIME-VARYING DELAY	3874
<i>R. Wang, S. Ma</i>	
SECOND-ORDER TIME-VARYING SLIDING MODE CONTROL FOR UNCERTAIN SYSTEMS	3880
<i>J. Geng, Y. Sheng, X. Liu, B. Liu</i>	
SYNCHRONIZATION OF LUR'E DIFFERENTIAL INCLUSION SYSTEM WITH INPUT SATURATION	3886
<i>J. Huang, S. Xia, M. Zhang, L. Sun, Z. Han</i>	
STABILITY ANALYSIS OF SWITCHED NONLINEAR SYSTEMS WITH MODE-DEPENDENT DWELL TIME METHOD	3891
<i>R. Guo, Y. Zhao, K. Li</i>	
DISLOCATED PROJECTIVE SYNCHRONIZATION FOR FOUR-DIMENSION FRACTIONAL-ORDER MODIFIED CHUA'S SYSTEM	3896
<i>S. Shao, F. Min, M. Ma, Y. Cao</i>	
EFFECTS OF AEROELASTIC MODES ON THE DYNAMICS OF A FLEXIBLE HYPERSONIC VEHICLE	3900
<i>Z. Xibin, Z. Qun, Z. Fanlin</i>	
PASSIVE CONTROL FOR UNCERTAIN DISCRETE SINGULAR BILINEAR SYSTEMS	3906
<i>X. Zhang, Q. Zhang</i>	
ANALYTICAL SOLUTIONS TO THE GENERALIZED (3+1)-DIMENSIONAL NONLINEAR SCHRÖDINGER EQUATIONS	3910
<i>X. Wang</i>	
A DYNAMIC CREEP MODEL OF THE STACK PIEZO-ACTUATOR	3913
<i>X. Zhao, C. Zhang, K. Li, G. Zhang</i>	
NONLINEAR FAULT TOLERANT CONTROL FOR POLYNOMIAL SYSTEMS WITH INPUT SATURATION	3918
<i>X. Meng, G. Yang</i>	
NONLINEAR OPTIMAL RELIABLE CONTROL OF CONSTRAINED POLYNOMIAL SYSTEMS	3924
<i>X. Meng, G. Yang, S. Xue</i>	
ADAPTIVE CONTROL OF STEAM VALVE OF MULTI-MACHINE POWER SYSTEMS	3930
<i>X. Dong, S. Li, N. Jiang, Y. Jing</i>	
NONLINEAR DISTRIBUTED MPC STRATEGY WITH APPLICATION TO AGC OF INTERCONNECTED POWER SYSTEM	3935
<i>H. Nong, X. Liu</i>	
CONSENSUS OF SECOND-ORDER MULTI-AGENT SYSTEMS WITH PARTIAL STATE INFORMATION AND INTERMITTENT INTERACTION	3941
<i>Y. Gao, T. Jiang, W. Wang, H. Zhao, Z. Zhao</i>	
THE THREATENED ENVIRONMENT MODELING AND EVALUATION IN COORDINATION PENETRATION PLANNING OF UAVS	3946
<i>R. Min, F. Xiao, S. Lincheng</i>	
AN EMPIRICAL STUDY OF DATA RACE DETECTOR TOOLS	3951
<i>J. Alowibdi, L. Stenneth</i>	
SUMMARY OF THE RESEARCH ON THE FAULT-TOLERANT CONTROL FOR NETWORKED CONTROL SYSTEMS	3956
<i>L. Xiuzhi, D. Yaping</i>	
FAULT DETECTION FILTER DESIGN FOR NETWORKED CONTROL SYSTEM WITH NETWORK DELAY	3962
<i>Y. Chen, W. Lu</i>	

DESIGN AND IMPLEMENTATION OF COSIMULATION PLATFORM FOR WNCS OVER MANET	3968
<i>Y. Jia, S. Yang, H. Weiyuan</i>	
IMPROVED ADAPTIVE GENETIC ALGORITHM FOR GRID RESOURCE SCHEDULING VIA QUANTUM CONTROL TECHNIQUES	3974
<i>F. Chen, B. Jiang, G. Tao, X. Zhang</i>	
MODELING AND DESIGN FOR MIMO NETWORKED CONTROL SYSTEM BASED ON DEAD BAND SCHEDULING	3979
<i>W. Fan, X. Chen, R. Xie, Q. Chen</i>	
STABILITY ANALYSIS FOR TRAIN NETWORKED CONTROL SYSTEMS OF ELECTRIC MULTIPLE UNIT WITH NETWORK-INDUCED DELAY AND PACKET DROPOUT	3985
<i>S. Xiao, L. Wang, W. Cheng, H. Zeng</i>	
H_∞ FILTERING FOR NETWORKED CONTROL SYSTEMS WITH BOUNDED RANDOM MEASUREMENT DELAYS	3989
<i>G. Liu, Y. Yang, C. Yuan</i>	
RESEARCH AND SIMULATION OF WIRELESS SENSOR AND ACTUATOR NETWORKED CONTROL SYSTEM	3995
<i>Z. Song, X. Zhou</i>	
SPARSE TARGET LOCALIZATION IN RF SENSOR NETWORKS USING COMPRESSED SENSING	3999
<i>H. Song, G. Wang, Y. Zhan</i>	
DETECTING AND WARNING SYSTEM FOR FIREWORKS WAREHOUSE BASED ON WIRELESS SENSOR NETWORKS	4005
<i>W. Qu, H. Lin, B. Shang</i>	
RESEARCH AND APPLICATION OF WIRELESS TEMPERATURE MONITORING FOR TRANSFORMER SUBSTATION	4010
<i>Q. Wang, Z. Shang, S. Cui, H. Zhang, P. Zeng</i>	
RESEARCH OF FAULT INDICATION SYSTEM BASED ON WIA INDUSTRIAL WIRELESS TECHNOLOGY FOR DISTRIBUTION NETWORK	4016
<i>C. Shijie, S. Zhijun, W. Qiusi, Z. Hongyu, Z. Peng</i>	
AN INCENTIVE DETECTION MECHANISM FOR COOPERATION OF NODES SELFISH BEHAVIOR IN WIRELESS SENSOR NETWORKS	4021
<i>B. Chen, J. Mao, N. Guo, G. Qiao, N. Dai</i>	
SENSOR SCHEDULING TARGET TRACKING-ORIENTED WITH WIRELESS SENSOR NETWORK	4025
<i>D. Yan, J. Wang</i>	
AN ENERGY-EFFICIENT ROUTING PROTOCOL BASED ON PARTICLE SWARM CLUSTERING ALGORITHM AND INTER-CLUSTER ROUTING ALGORITHM FOR WSN	4029
<i>L. Xia, G. Wang, Z. Liu, Y. Zhang</i>	
A SPECTRUM ACCESS METHOD BASED ON CAPACITY UTILITY MAXIMIZATION FOR COGNITIVE MESH NETWORKS	4034
<i>J. Zhao, P. Zhao</i>	
INITIAL ANALYSIS ON THE SECURITY OF ELECTRONIC COMMERCE PAYMENT INSTRUMENT	4037
<i>J. Qu, W. Liu, F. Cong</i>	
FLIGHT SIMULATOR ROBUST CONTROL BASED ON DISTURBANCE OBSERVER	4042
<i>S. Xiao, Y. Wu, X. Liu</i>	
AN ACTIVE DISTURBANCE REJECTION CONTROL OF INDUCTION MOTOR USING DSP+FPGA	4047
<i>Y. Zhang, J. Wang, R. Ma</i>	
MODEL DERIVATION AND CONTROL SYSTEM SIMULATION FOR UNMANNED AERIAL VEHICLE	4053
<i>Z. Liu, F. Tan</i>	
LARGE MEASUREMENT RANGE DISPLACEMENT SENSOR BASED ON HALL ELEMENTS	4058
<i>G. Zheng, S. Jin</i>	
SYNCHRONIZATION CONTROL SCHEME FOR MULTI-PROCESS SYSTEMS BASED ON MODEL PREDICTIVE CONTROL	4063
<i>J. Shi, Y. Yang, H. Zhou, Z. Cao, Q. Jiang</i>	
STUDY ON THE NO-LOAD EXCITATION CONTROL OF VSCF WIND-POWER GENERATION SYSTEM COMBINED WITH LADRC	4070
<i>J. Zhang, E. Yao, J. Xing</i>	
H_∞-BASED LQR WATER LEVEL CONTROL FOR NUCLEAR U-TUBE STEAM GENERATORS	4076
<i>L. Wei, F. Fang</i>	
CONTROL PERFORMANCE ASSESSMENT AND IMPROVEMENT WITH A NEW PERFORMANCE INDEX	4081
<i>Q. Meng, J. Gu, Z. Zhong, C. Niu</i>	
RESEARCH ON DESIGN PROCESS CONTROL OF GROUND TESTING SOFTWARE FOR THE SMALL SATELLITE	4085
<i>Z. Wang, X. Feng, H. Yang</i>	
MINE WELL HOIST CONTROL SYSTEM BASED ON SIEMENS FM458 AND ABB ACS6000C	4091
<i>Z. Jing</i>	
FAULT DETECTION BASED ON DISTRIBUTED REDUNDANT SENSORS	4095
<i>R. Yan, M. Chen</i>	
RECONFIGURATION ALLOCATION OF SATELLITE ATTITUDE CONTROL SYSTEMS	4101
<i>C. Xiang, H. Yang, Y. Cheng, B. Jiang</i>	

A NEW MODEL FOR SOFTWARE DEFECT PREDICTION USING PARTICLE SWARM OPTIMIZATION AND SUPPORT VECTOR MACHINE	4106
<i>C. He, J. Xing, R. Zhu, J. Li, Q. Yang, L. Xie</i>	
METHOD STUDY ON FAULT-TOLERANT DISPATCH OF THE CONTROL SYSTEM OF THE AERO-ENGINE	4111
<i>F. Yan, Y. Shang, M. Li, W. Wei, Y. Zuo</i>	
FAULT DIAGNOSIS SYSTEM FOR A²O PROCESS OF URBAN SEWAGE BASED ON ASM2 MODEL AND EXPERT SYSTEM	4117
<i>X. Lian, M. Yu, F. Pan, X. Li</i>	
NEW FAULT DIAGNOSIS METHOD FOR ROLLING BEARING BASED ON PCA	4123
<i>J. Xi, Y. Han, R. Su</i>	
IMPROVED INTEGRATED EVALUATION ON FINANCIAL PERFORMANCE OF LISTED COMPANY: A CASE STUDY OF 14 TRANSPORT COMPANIES	4128
<i>Y. Li, P. Luo, C. Wu, W. Li</i>	
MULTI-CLASS USER EQUILIBRIUM AND SYSTEM OPTIMUM WITH NON-LINEAR VALUE OF TIME	4134
<i>X. Wang, H. Huang, L. Tian</i>	
STUDY ON BILATERAL RELATIONS OF THE INTERNATIONAL BASED ON GROUP DECISION-MAKING	4139
<i>Y. Wang, C. Zhou, C. Chen, S. Wu</i>	
ALGORITHM OF ADJUSTING WEIGHTS OF DECISION-MAKERS AND ATTRIBUTE IN MULTI-ATTRIBUTE GROUP DECISION-MAKING	4144
<i>Y. Sun, H. Huang</i>	
OPTIMAL N-P DETECTION FOR MULTISENSOR SYSTEM WITHOUT HIGH-DIMENSIONAL INTEGRAL	4149
<i>T. Wang, E. Song</i>	
A FUZZY GREY COGNITIVE MAPS-BASED DECISION SUPPORT SYSTEM FOR MAINTAINING WATER QUALITY	4154
<i>B. Kang, Y. Deng</i>	
IDENTIFICATION AND ASSESSMENT FOR LANDING ACTION ADJUSTMENT	4159
<i>Y. Li, G. Xia, J. Li, Z. Zhang</i>	
GUARANTEED COST SPEED CONTROL FOR PMLSM BASED ON T-S FUZZY MODEL	4162
<i>S. Haibin, Q. Li</i>	
IMPLEMENTATION OF ET-G12864EV1 LCD MULTILEVEL MENU BASED ON C8051F340	4166
<i>P. Ding, K. Yao</i>	
RESEARCH ON THE RECTIFIER CONTROL METHOD IN DRIVE SYSTEM	4171
<i>X. Wang, X. Qian</i>	
MODELING AND CONTROL OF UNMANNED AERIAL VEHICLE USING SELF-ORGANIZING MAP MULTIPLE MODELS	4177
<i>D. Gao, Z. Ma, H. Zhu</i>	
LOAD FREQUENCY CONTROL FOR POWER SYSTEMS VIA DMC	4183
<i>Y. Wang, W. Tan</i>	
ONLINE MONITORING AND DETECTING OF WOOD DRYING KILNS' PARAMETERS BASED ON EMBEDDED SYSTEM	4189
<i>J. Zhang, P. Wang</i>	
ERROR DETECTION AND COMPENSATION IN TRANSFER ALIGNMENT FOR THE DISTRIBUTED POS	4194
<i>D. Li, M. Zhong, D. Guo</i>	
APPLICATION OF OBJECT-ORIENTED PETRI NET (OOPN) MODEL IN FAULT REHEARSAL OF AIRCRAFT INDEPENDENT ELECTRICAL POWER SYSTEM	4200
<i>S. Li, H. Yuan, J. Lv, Y. Cui</i>	
THE STUDY OF TYJL-ADX INTERLOCKING SYSTEM BASED COMPUTER	4205
<i>N. Jing, B. Han</i>	
THE APPLICATION AND RESEARCH OF FAULT DETECTION BASED ON PC-KNN IN SEMICONDUCTOR BATCH PROCESS	4209
<i>C. Zhang, Y. Li</i>	
IMPACT POINT LOCATION BASED ON SEISMIC WAVE ANALYSIS	4215
<i>Y. Zhang, X. He, J. Li, D. Zhou</i>	
FAULT DIAGNOSIS STRATEGY FOR STARTUP PROCESS BASED ON STANDARD OPERATING PROCEDURES	4221
<i>J. Zhang, B. Liu, H. Ye</i>	
A COMPREHENSIVE EVALUATION SCHEME OF THE TRAFFIC CONGESTION	4227
<i>K. Liu, F. Gu, Z. Hu, X. Chen, W. Wang</i>	
FAULT DIAGNOSIS METHOD RESEARCH OF THE AUTOMOBILE POWER TRAIN IMPACTING DURABILITY TEST-BED BASED ON DATA AND MODEL METHOD	4232
<i>B. Zhang, X. Yin, B. Zhang, Z. Gao, Z. Zhou</i>	
MULTIPLE FAULT DIAGNOSIS OF ANALOG CIRCUIT USING QUANTUM HOPFIELD NEURAL NETWORK	4238
<i>P. Li, Y. Chai, M. Cen, Y. Qiu, K. Zhang</i>	
DYNAMIC STATE ESTIMATION OF POWER SYSTEM BASED ON GREY SYSTEM THEORY AND STRONG TRACKING FILTER	4244
<i>J. Tang, D. Huang, L. Zhao</i>	

AN IMPROVED INERTIA MATRIX IDENTIFICATION METHOD FOR NONLINEAR SPACECRAFT MODEL	4249
<i>S. Zhai, H. Ye</i>	
THE RISK LINKAGE EFFECT OF STOCK INDEXES BASED ON QUANTILE REGRESSION AND GRANGER CAUSALITY TEST	4252
<i>Q. Liu, Y. Li, C. Wu</i>	
THE CALCULATION AND EVALUATION ANALYSIS OF QINGDAO'S CONTRIBUTION RATE OF SCIENTIFIC AND TECHNOLOGICAL PROGRESS	4258
<i>J. Gao, Q. Gao</i>	
PRICING CREDIT SPREAD OPTION WITH KALMAN FILTER AND MONTE CARLO SIMULATION	4263
<i>S. Du, R. Zhou, X. Wang, Y. Wang</i>	
INTEGRATED OPTIMIZATION OF STORAGE ALLOCATIONS IN AUTOMATED STORAGE AND RETRIEVAL SYSTEM OF BEARINGS	4267
<i>S. Liu, Q. Wang, J. Sun</i>	
DYNAMIC BACKHAUL PROBLEM IN B2C ELECTRONIC COMMERCE AND TWO-STAGE ALGORITHM	4272
<i>L. Li, T. Liu</i>	
SLIDING MODE VARIABLE STRUCTURE CONTROL FOR THE DYNAMIC SYSTEM OF KNOWLEDGE WORKERS IN HIGH-TECH ENTERPRISES	4276
<i>S. Wang, C. Gao, Y. Liu, Z. Liu, S. Tang</i>	
PROCESS MONITORING FOR CHEMICAL PROCESS BASED ON SEMI-SUPERVISED PRINCIPAL COMPONENT ANALYSIS	4282
<i>J. Feng, J. Wang, Z. Han</i>	
A METHOD BASED ON WEIGHTED F-SCORE AND SVM FOR FEATURE SELECTION	4287
<i>P. Tao, H. Yi, C. Wei, Y. Ge, L. Xu</i>	
NONLINEAR PROCESS MONITORING USING DYNAMIC KERNEL SLOW FEATURE ANALYSIS AND SUPPORT VECTOR DATA DESCRIPTION	4291
<i>X. Deng, X. Tian</i>	
A NEW USAGE OF RECONSTRUCTION BASED CONTRIBUTIONS FOR QUALITY-RELATED FAULT DIAGNOSIS	4297
<i>G. Li, K. Peng, J. Ma, D. Zhou</i>	
TRANSIENT CHARACTERISTIC EXTRACTION BASED ON WAVELET PACKET DECOMPOSITION AND EMD	4303
<i>L. Zhao, D. Huang, F. Cheng</i>	
ICA-BASED FAULT-RELEVANT RECONSTRUCTION	4307
<i>Y. Zhang, Y. Nan</i>	
THE NORMALIZATION PCA MODEL AND ITS APPLICATION UNDER THE PERIODIC NON-STEADY CONDITIONS	4313
<i>T. Wang, M. Xu, T. Tang</i>	
FAULT RECONSTRUCTION ALGORITHM BASED ON FAULT-RELEVANT KPCA	4319
<i>Y. Zhang, Z. Wang</i>	
A MULTI-MODEL ANOMALY DETECTION METHOD	4324
<i>F. Zhou, C. Wen, Z. Chen</i>	
IMPROVED PCA-SVDD BASED MONITORING METHOD FOR NONLINEAR PROCESS	4330
<i>F. Shen, Z. Song, L. Zhou</i>	
DYNAMIC PROCESS MONITORING BASED ON ORTHOGONAL LOCALITY PRESERVING PROJECTIONS AND EXPONENTIALLY WEIGHTED MOVING AVERAGE	4337
<i>L. Cai, X. Tian, Y. Zhang</i>	
FAULT DIAGNOSIS OF THE TE PROCESS BASED ON DISCRETE HIDDEN MARKOV MODEL	4343
<i>H. Zhang, H. Fang, L. Xia</i>	
FAULTS IDENTIFICATION OF UNDERWATER VEHICLE BASED ON THE STATES-SWITCHING UNSCENTED KALMAN FILTER	4347
<i>F. Yuan, Y. Ye</i>	
IMPROVED LQG BENCHMARK BASED CONTROL PERFORMANCE MONITORING FOR MULTIVARIABLE SYSTEMS	4353
<i>D. Zhang, B. Bao, B. Lu, Z. Wang</i>	
ESO-BASED FAULT DIAGNOSIS AND FAULT-TOLERANT FOR INCIPIENT ACTUATOR FAULTS	4359
<i>C. Xu, J. Li, P. Zhang, L. Mu, X. Si</i>	
PMI BASED FAULT ESTIMATION FOR LINEAR TIME-VARYING SYSTEMS	4364
<i>M. Zhong, Q. Cao</i>	
MULTI-PARAMETERS FAULT ISOLATION USING VERTEX ALGORITHM	4369
<i>Z. Li, B. Danhou, Z. Wang</i>	
DESIGN OF STATE OBSERVER FOR DISCRETE-TIME FAULT COMPLEX INTERCONNECTED NETWORKS WITH DIFFERENT NODES	4373
<i>Z. Wang, C. Cai, J. Wang, H. Liang</i>	
DISTRIBUTED FDI FOR A CLASS OF LPV MULTI-AGENT SYSTEM: A GEOMETRIC APPROACH	4379
<i>R. Yan, X. He, Z. Wang, D. Zhou</i>	
DETECTION METHOD OF MULTIPLE OSCILLATIONS BASED ON WAVELET ANALYSIS	4385
<i>Z. Guo, L. Xie, M. Shi</i>	

A COMPOUND FAULT INTEGRATED DIAGNOSIS METHOD FOR ROTATING MACHINERY BASE ON DIMENSIONLESS IMMUNE DETECTOR	4390
<i>G. Sun, A. Qin, Q. Zhang, Q. Hu, X. Si</i>	
EVENT-TRIGGERED CONSENSUS FOR SECOND-ORDER LEADERLESS MULTI-AGENT SYSTEMS	4395
<i>X. Zhang, M. Chen</i>	
NEW DIMENSIONLESS PARAMETER CONSTRUCTION USING GENETIC PROGRAMMING FOR FAULT CLASSIFYING OF ROTATING MACHINERY	4400
<i>Q. Zhang, Q. Hu, G. Sun, A. Qin, X. Si</i>	
HYPOGLYCEMIA PREDICTION USING EXTREME LEARNING MACHINE (ELM) AND REGULARIZED ELM	4405
<i>X. Mo, Y. Wang, X. Wu</i>	
BIONIC LEARNING ALGORITHM AND ITS APPLICATION ON HEXAPOD ROBOT'S UNKNOWN ENVIRONMENT EXPLORATION	4410
<i>J. Yu, L. Zhou, H. Du, G. Wang</i>	
THE GLOBALLY ATTRACTIVITY OF A SIV EPIDEMIC DISEASE MODEL WITH TWO DELAYS AND PULSE VACCINATION	4416
<i>Y. Chen, Z. Xiang</i>	
IMPROVED ORAL CHEMOSTAT MODEL AND ITS LYAPUNOV STABILITY	4421
<i>K. Yang</i>	
A NOVEL IMMUNE DANGER ALGORITHM FOR CONSTRAINED MULTIOBJECTIVE OPTIMIZATION	4426
<i>H. Lu</i>	
STATE-SPACE MODEL FOR ESTIMATING ACUPUNCTURE SPIKE FIRING RATE	4430
<i>J. Wang, X. Wang, M. Xue, B. Deng, X. Wei, C. Han</i>	
REAL-TIME OPTIMIZATION OF IRRIGATION SCHEDULING IN AGRICULTURE	4435
<i>M. Pham, S. Saleem, N. Okello</i>	
EXPERT SYSTEM IN GLUTAMIC ACID FERMENTATION PROCESS	4440
<i>G. Wang, C. Guan, Y. Guo, M. Zhang, J. Li</i>	
MODEL PREDICTIVE CONTROL FOR FERMENTATION PROCESS	4445
<i>G. Wang, J. Ma, M. Zhang, Z. Zhang, J. Li</i>	
EEG CLASSIFICATION FOR MULTICLASS MOTOR IMAGERY BCI	4450
<i>C. Liu, H. Wang, Z. Lu</i>	
BRAIN MR IMAGE SEGMENTATION AND BIAS FIELD ESTIMATION USING COHERENT LOCAL AND NON-LOCAL SPATIAL CONSTRAINTS	4454
<i>S. Zhang, L. She, H. Wang, H. Zhong</i>	
THE SPIKE-FREQUENCY ADAPTABILITY OF SMALL-WORLD NEURONAL NETWORK UNDER AC ELECTRIC FIELD	4460
<i>Y. Chen, J. Wang, B. Deng, X. Wei, H. Yu</i>	
MODEL PREDICTIVE CONTROL WITH SEQUENTIAL LINEARIZATION APPROACH FOR A NONLINEAR TIME VARYING BIOLOGICAL SYSTEM	4465
<i>M. Mehrjerdi, B. Moshiri, G. Amoabediny, A. Ashktorab, N. Araabi</i>	
TEMPERATURE COMPENSATION OF MEMS BASED RESONANT SENSOR WITH UNIFORM MASS SENSITIVITY	4471
<i>M. Bayat, R. Rajabi, H. Joodaki</i>	
TRAIN CONTROL SIMULATION BASED ON CMAC-PID ALGORITHM	4476
<i>W. Xu, B. Xiao</i>	
RESEARCH ON THE ULTRACAPACITOR/BATTERY HYBRID SYSTEM	4481
<i>Q. Wang, Y. Sun, K. Chen, Y. Huang, X. Ji</i>	
DESIGN AND IMPLEMENTATION OF GATEWAY FOR VEHICULAR NETWORKS	4486
<i>X. Yong, W. Chen</i>	
A NOVEL DESIGN TO IMPROVE THE PRECISION OF ELECTRONIC LOAD FOR HIGH POWER APPLICATION	4490
<i>W. Yan, S. Yan</i>	
MODELING AND SIMULATION OF INTERSECTION SIGNAL CONTROL FOR TRANSIT PRIORITY	4496
<i>Z. Sun, H. Lu, J. Wan</i>	
A NEW PI CONTROLLER FOR FREEWAY RAMP METERING BASED ON FUZZY LOGIC	4502
<i>R. Chi, J. Li, X. Liu</i>	
AUTOMOTIVE INFOTAINMENT POWER MANAGEMENT SOLUTION BY MODELING, ANALYSIS AND CONTROL OF 42V/14V DC-DC AUTOMOTIVE INTERLEAVED BUCK CONVERTER	4507
<i>A. Thyagarajan, R. Prabu, G. Uma</i>	
THE MONITORING SYSTEM OF SMOKE IMAGES BASED ON EMBEDDED SYSTEM AND GPRS	4513
<i>J. Huang, Y. Liu, H. Zhang, M. Chen</i>	
DESIGN AND IMPLEMENTATION OF SIGNAL GENERATOR AND REAL-TIME ANALYSIS SYSTEM	4517
<i>S. Jie, Y. Hang, C. Guan, T. Long, Y. He</i>	
LOW-COST IMU/ODOMETER/GPS INTEGRATED NAVIGATION AIDED WITH TWO ANTENNAE HEADING MEASUREMENT FOR LAND VEHICLE APPLICATION	4521
<i>M. Ilyas, Y. Wang</i>	
A SUBOPTIMAL TRACKING CONTROL FOR A CLASS OF NONHOLONOMIC CHAINED SYSTEMS	4527
<i>B. Li</i>	
A NEW LATTICE HYDRODYNAMIC MODEL BASED ON ITS ENVIRONMENT	4531
<i>T. Wang</i>	

A NEW MACRO MODEL FOR TRAFFIC FLOW CONSIDERING THE DRIVER'S DELAY EFFECT	4535
<i>T. Wang</i>	
OPTIMAL ESTIMATION FOR FAULT SECTION IN POWER SYSTEM BASED ON HARMONY SEARCH ALGORITHM	4538
<i>P. Ren, L. Gao, N. Li</i>	
THE R-CONVERGENCE RATE OF MDY CONJUGATE GRADIENT METHOD WITH INEXACT LINE SEARCH FOR UNCONSTRAINED OPTIMIZATION	4542
<i>Z. Sun, C. Xu, H. Gao</i>	
OPTIMAL DISTURBANCE REJECTION CONTROL OF A CLASS OF UNCERTAIN BILINEAR SYSTEMS WITH TIME-DELAY	4548
<i>D. Gao</i>	
AN IMPROVED GENETIC ALGORITHM FOR SOLVING FLEXIBLE JOB SHOP SCHEDULING PROBLEM	4553
<i>W. Zhou, Y. Bu, Y. Zhou</i>	
GAME THEORETICAL CONTROL OF SERVICE RATES IN CLOSED JACKSON NETWORKS	4559
<i>L. Xia, Q. Jia</i>	
THE APPLICATION OF AN IMPROVED CULTURAL ALGORITHM IN GRID COMPUTING	4565
<i>W. Zhou, Y. Bu, Y. Zhou</i>	
THE OPTIMAL CONTROL OF PRODUCTION-INVENTORY SYSTEM	4571
<i>F. Yi, B. Baojun, J. Zhang</i>	
MULTI-OBJECTIVE OPTIMAL LOAD DISTRIBUTION BASED ON ECONOMY, ENVIRONMENTAL PROTECTION AND SPEEDINESS IN POWER PLANTS	4577
<i>G. Yuan, T. Yu, M. Gan</i>	
OPTIMAL RELATIVE ATTITUDE TRACKING CONTROL FOR SPACECRAFT PROXIMITY OPERATION	4582
<i>P. Li, X. Yue, X. Chi, C. Du</i>	
DECONVOLUTION ESTIMATION OF SYSTEMS WITH PACKET DROPOUTS	4588
<i>C. Han, W. Wang</i>	
ON ROBUST FAULT-TOLERANT CONTROL OF LINEAR UNCERTAIN TIME-DELAY SYSTEMS.....	4594
<i>F. Li, F. Wang, B. Yao, H. Hu</i>	
RESEARCH OF MOTOR FAULT DIAGNOSIS BASED ON PSO ALGORITHM.....	4600
<i>W. Hu, G. Liu, L. Fu, H. Zhang</i>	
NETWORKED FAULT DETECTION OF CONTROL SYSTEM WITH OUTPUT TRANSFER DELAY	4604
<i>Z. Xu, Z. Bian, Y. Shao, Y. Zhang</i>	
THE APPLICATION OF LMD AND BP NEURAL NETWORK IN GEAR FAULT DIAGNOSIS	4609
<i>Z. Li, Z. Wan, X. Xiong, X. Liao</i>	
STABILIZATION OF A HEAT-ODE SYSTEM CASCADED AT INTERMEDIATE POINT	4613
<i>Z. Zhou, C. Guo, Y. Wang</i>	
MODEL REDUCTION FOR SPATIO-TEMPORAL SYSTEMS BASED ON KPCA AND LS-SVRM	4618
<i>A. Ling, Z. Yi, S. Ye</i>	
OPTIMAL CONTROL ALGORITHM OF MULTIVARIATE SECOND-ORDER DISTRIBUTED PARAMETER SYSTEMS BASED ON FOURIER TRANSFORM	4623
<i>W. Mei</i>	
RESEARCH ON CHANGE-POINTS IN SHANGHAI COMPOSITE INDEX BASED ON AR(P) MODEL WITH MEAN AND VARIANCE STRUCTURAL BREAKS	4628
<i>N. Feng, X. Zhang</i>	
RESEARCH OF INTEGRATING SUPPLIER SELECTION INTO PRODUCT FAMILY PLANNING	4634
<i>Y. Cao, X. Luo, C. Kwong, J. Tang</i>	
SYNCHRONIZATION ANALYSIS OF COUPLED DIFFERENTIAL SYSTEMS WITH TIME-VARYING COUPLINGS	4640
<i>X. Yi, W. Lu, T. Chen</i>	
A NOVEL REACHING LAW BASED ON INTEGRAL SLIDING MODE CONTROL OF PERMANENT MAGNET SYNCHRONOUS MOTORS.....	4646
<i>Q. Zhu, P. Zhang</i>	
DESIGN OF SLIDING MODE CONTROL WITH DISTURBANCE OBSERVERS FOR INERTIAL PLATFORM	4652
<i>Y. Hu, Y. Cao, S. Zhang</i>	
HIGH-ORDER SLIDING-MODE BASED ENERGY SAVING CONTROL OF INDUCTION MOTOR.....	4657
<i>Y. Feng, M. Zhou, X. Yu</i>	
DESIGN OF A SLIDING MODE CONTROL FOR A DC-TO-DC BUCK-BOOST CONVERTER.....	4661
<i>P. Salazar, S. Jimenez, F. Correa</i>	
CLUSTER CONSENSUS OF NETWORKS OF SECOND-ORDER MULTI-AGENT SYSTEMS WITH INTER-CLUSTER NON-IDENTICAL INPUTS	4667
<i>Y. Han, W. Lu, T. Chen</i>	
FEATURE EXTRACTION OF NONLINEAR SPECTRUM AND FAULT DIAGNOSIS FOR MULTIVARIABLE DYNAMIC SYSTEM.....	4673
<i>J. Cao, J. Zhang, J. Zheng</i>	
FAULT LOCATION BASED ON RELEVANCE VECTOR MACHINE AND DECISION DIRECTED ACYCLIC GRAPH.....	4679
<i>H. Yi, D. Ding, M. Lu, L. Li</i>	

ROBUST H_∞ FAULT DIAGNOSIS FOR STOCHASTIC DISTRIBUTION SYSTEMS WITH DISTURBANCE REJECTION PERFORMANCE	4685
<i>L. Yao, Z. Yin, A. Wang</i>	
ROLLING ELEMENT BEARING FAULT DIAGNOSIS USING RECURSIVE WAVELET AND SOM NEURAL NETWORK	4691
<i>L. Jiang, X. Fu, J. Cui, Z. Li</i>	
THE FAULT DETECTION OF MULTI-SENSOR BASED ON MULTI-SCALE PCA	4697
<i>Z. Wang, H. Du, F. Lv, W. Du</i>	
HEALTH ASSESSMENT METHOD OF THE AIRCRAFT HYDRAULIC SYSTEM BASED ON GRAY CLUSTERING	4701
<i>J. Cui, Z. Lin, L. Jiang, Y. Qi, F. Ma, X. Jin</i>	
DISSIPATIVITY OF STOCHASTIC NONLINEAR CONTROL SYSTEMS WITH STATE-DEPENDENT SWITCHING	4706
<i>D. Zhang, Z. Wu</i>	
DECENTRALIZED STATE-FEEDBACK CONTROL OF HIGH-ORDER STOCHASTIC NONLINEAR SYSTEMS	4712
<i>H. Wang, X. Wang, Z. Yang, W. Li</i>	
STABILITY OF CLASS OF STOCHASTIC SWITCHED SYSTEMS WITH TIME DELAYS	4717
<i>S. Ding, D. Zhang, Z. Wu</i>	
THE METHOD OF STAFFING A CALL CENTER WITH DELAY INFORMATION CONSIDERING THE CUSTOMERS' BEHAVIOR	4723
<i>M. Yu, J. Gong, J. Tang, H. Zhu</i>	
PROBABILITY-DEPENDENT GAIN-SCHEDULED CONTROL FOR DISCRETE-TIME STOCHASTIC SYSTEMS WITH RANDOMLY OCCURRING SENSOR SATURATIONS	4728
<i>W. Li, G. Wei, F. Han</i>	
FINITE-TIME RELIABLE STABILIZATION FOR SWITCHED STOCHASTIC SYSTEMS UNDER ASYNCHRONOUS SWITCHING	4734
<i>R. Wang, Z. Qian, J. Xing, P. Wang, Q. Yang</i>	
THE NEURAL NETWORK-BASED DIAGNOSTIC METHOD FOR ATYPICAL FAULTS IN NPC THREE-LEVEL INVERTER	4740
<i>C. Chen, D. Chen, Y. Ye</i>	
RAPID OSCILLATION FAULT DETECTION FOR DISTRIBUTED SYSTEM VIA DETERMINISTIC LEARNING	4746
<i>T. Chen, C. Wang, D. Hill</i>	
THE RESEARCH AND DESIGN OF VISUAL FAULT TREE MODELING ANALYSIS	4752
<i>X. Ding, Q. Wang, H. Yuan, M. Ling</i>	
AN ADAPTIVE ACTUATOR FAILURE COMPENSATION SCHEME FOR DISCRETE-TIME T-S FUZZY SYSTEMS	4757
<i>L. Jiang, R. Qi</i>	
DYNAMIC PROCESS MONITORING BASED ON PROBABILISTIC PRINCIPLE COMPONENT REGRESSION	4763
<i>L. Zhou, Z. Song, Z. Ge, A. Miao</i>	
A METHOD BASED ON MINIMUM ERROR THRESHOLDING FOR FROTH IMAGE CLASSIFICATION	4768
<i>P. Tao, C. Wei, H. Yi, Y. Lou, Y. Zou</i>	
MULTI-SENSOR IMAGE REGISTRATION BASED ON GEOMETRIC AFFINE INVARIANT	4772
<i>B. Li, H. Guo, B. Liu, H. Ye</i>	
FAULT DIAGNOSIS OF THREE-LEVEL INVERTER BASED ON WAVELET ANALYSIS AND BAYESIAN CLASSIFIER	4777
<i>D. Chen, Y. Ye, R. Hua</i>	
ITERATIVE LEARNING BASED FAULT ESTIMATION FOR NONLINEAR DISCRETE-TIME SYSTEMS	4781
<i>J. Shi, X. He, Z. Wang, D. Zhou</i>	
APPLICATION OF IWO-SVM APPROACH IN FAULT DIAGNOSIS OF ANALOG CIRCUITS	4786
<i>S. Cai, H. Yuan, J. Lv, Y. Cui</i>	
MULTI-LABEL RELEVANT VECTOR MACHINE BASED SIMULTANEOUS FAULT DIAGNOSIS	4792
<i>S. Chao, X. Lei, J. Zeng</i>	
SWITCHING FAULT-TOLERANT CONTROL FOR A CLASS OF NONLINEAR SYSTEMS WITH ACTUATOR FAULTS	4797
<i>H. Ma, G. Yang, D. Ye</i>	
PREDICTIVE MAINTENANCE STRATEGY OF VARIABLE PERIOD OF POWER TRANSFORMER BASED ON RELIABILITY AND COST	4803
<i>Z. Hu, B. Jiang, L. Yin, X. Chen</i>	
A NEW REMAINING USEFUL LIFE PREDICTION APPROACH FOR INDEPENDENT COMPONENT BASED ON THE WIENER PROCESS AND BAYESIAN ESTIMATING PARADIGM	4808
<i>Z. Wang, C. Hu, X. Si, J. Zhang, H. Wang</i>	
CYCLE LIFE PREDICTION OF LITHIUM-ION BATTERIES BASED ON SIR PARTICLE FILTERING	4813
<i>X. Ye, H. Fang</i>	
FORECASTING SPARE PARTS DEMAND BASED ON DEGRADATION MODELING	4817
<i>X. Si, C. Hu, D. Zhou</i>	

ONLINE PROBABILISTIC ASSESSMENT OF OPERATING SAFETY FOR MULTI-MODE ENGINEERING SYSTEMS BASED ON BAYESIAN METHODS	4821
<i>Y. Lin, M. Chen, D. Zhou</i>	
JOINT BLOCK-BASED PREVENTIVE MAINTENANCE AND PERIODIC REVIEW INVENTORY POLICIES WITH SPARE PARTS DETERIORATION	4826
<i>Y. Jiang, M. Chen, D. Zhou</i>	
INFLUENCE OF BEHAVIORAL FACTORS ON PROJECT SCHEDULE MANAGEMENT: A MONTE CARLO METHOD	4831
<i>M. Yang, S. Li</i>	
OPTIMAL ORDER QUANTITY FOR DETERMINISTIC DEMAND WITH PIECEWISE AMOUNT DISCOUNT BY GENETIC ALGORITHM	4836
<i>S. Liu, Y. Wen, Q. Wang</i>	
A DYNAMIC BIPARTITE SCALE-FREE AGENT NETWORK MODEL FOR ANALYZING HETEROSEXUAL HIV TRANSMISSION	4842
<i>X. He, G. Bi, H. Wang</i>	
A CAVE SMALL WORLD NETWORK MODEL FOR HIV TRANSMISSION AMONG DRUG USERS SHARING SYRINGE	4849
<i>C. Wei, S. Zhang, G. Bi</i>	
THE MOTIVATION ANALYSIS OF ENTERPRISES VOLUNTARILY IMPLEMENTING ENVIRONMENTAL MANAGEMENT SYSTEM	4855
<i>C. Li, Q. Liu</i>	
SWOT ANALYSIS ON LUOYANG'S BUILDING NATIONAL INNOVATIVE CITY AND ITS COUNTERMEASURES	4859
<i>J. Wang</i>	
MULTI-SENSOR MONITORING INFORMATION BASED DECISION SUPPORT METHOD FOR OPTIMAL PREDICTIVE MAINTENANCE POLICY	4864
<i>M. Wei, M. Chen, D. Zhou</i>	
FAULT DIAGNOSIS FOR OPEN COMPONENT CAPACITOR IN TRACK CIRCUITS	4869
<i>L. Qin, X. He, J. Li, D. Zhou</i>	
A SURVEY OF INTELLIGENT NETWORK FAULT DIAGNOSIS TECHNOLOGY	4874
<i>F. Lv, X. Li, X. Wang</i>	
SURVEY ON HIDDEN MARKOV MODEL BASED FAULT DIAGNOSIS AND PROGNOSIS	4880
<i>L. Xia, H. Fang, L. Zheng</i>	
REVIEW ON ROAD NETWORK RELIABILITY AND TRENDS IN THE INFORMATION MODEL	4885
<i>D. Huang, L. Shen, L. Zhao, J. Song</i>	
TAKAGI-SUGENO FUZZY INFERENCE BASED CASCADED HYBRID MODELING AND FAULT DIAGNOSIS	4892
<i>Y. Wang, D. Sun, B. Jiang, N. Lu</i>	
RECONFIGURABILITY ANALYSIS FOR REDUNDANT MOMENTUMS CONTROL SYSTEMS WITH SINGLE FAULT	4898
<i>H. Qi, Y. Cheng, B. Jiang, Y. Ma, C. Liu</i>	
FAULT TOLERANT CONTROL FOR A CLASS OF NONUNIFORMLY SAMPLED-DATA SYSTEMS	4904
<i>A. Qiu, S. Wang, S. Qu, C. Wen</i>	
A FAULT TOLERANT CLOSED-LOOP ANESTHESIA SYSTEM BASED ON INTERNAL MODEL CONTROL AND EXTENDED STATE OBSERVER	4910
<i>Y. Tao, M. Fang, Y. Wang</i>	
A TRACKING CONTROL METHOD WITH THRUSTER FAULT TOLERANT CONTROL FOR UNMANNED UNDERWATER VEHICLES	4915
<i>B. Sun, D. Zhu, L. Sun</i>	
ADAPTIVE FAULT COMPENSATION FOR AIRCRAFT FLIGHT SYSTEMS WITH ACTUATOR FAULTS	4921
<i>Y. Guo, Y. Zhang, B. Jiang</i>	
FAULT-TOLERANT MINING ALGORITHM OF SAMPLING DATA FROM DYNAMIC SYSTEM	4927
<i>S. Hu, Y. Li, D. Zhang</i>	
THE APPLICATION OF ADAPTIVE SLIDING MODE OBSERVER-BASED FAULT DETECTION IN HELICOPTER SYSTEM	4932
<i>L. Hua, P. Yang, Z. Yin</i>	
AN ADAPTIVE SLIDING MODE CONTROLLER FOR ACCOMMODATING ACTUATOR FAILURES	4935
<i>L. Hao, D. Ye, G. Yang</i>	
OPTIMAL ROBUST FAULT DETECTION FOR NETWORKED FLIGHT CONTROL SYSTEMS WITH MARKOVIAN PACKET DROPOUTS	4941
<i>Q. Wang, Z. Wang, C. Dong</i>	
FAULT DETECTION FOR CHEMICAL PROCESS BASED ON ROBUST PLS	4947
<i>H. Yi, M. Hehe, H. Shi</i>	
ROBUST INTEGRITY FOR UNCERTAIN NNCS WITH ACTUATOR SATURATION	4953
<i>H. Cao, W. Li, D. Jiang</i>	
A RELIABLE TRACKING CONTROL FOR THE 3-DOF HOVERING SYSTEM OF QUADROTOR WITH MULTI-ACTUATOR FAULTS	4961
<i>X. Zhang, B. Jiang, F. Chen, K. Zhang</i>	
SENSOR FAULT ESTIMATION FOR A CLASS OF NONLINEAR NETWORKED SYSTEMS	4967
<i>X. Wang, X. He, Z. Wang, D. Zhou</i>	

FAULT DETECTION OVER SIGNAL-TO-NOISE RATIO CONSTRAINED CHANNELS	4973
<i>L. Zhi-Jun, G. Fu-Min, S. De-Hui, H. Cun-Wu</i>	
THE UIO-BASED LMMSE FILTER FOR NCSSWITH PACKET DROPOUT	4978
<i>H. Geng, Y. Liang, X. Zhang</i>	
LEAST SQUARE FAULT ESTIMATION FOR A CLASS OF SENSOR NETWORKS	4984
<i>Y. Liu, Z. Wang, X. He, D. Zhou</i>	
FAULT DETECTION FOR A CLASS OF NONLINEAR NETWORKED CONTROL SYSTEMS WITH TRANSFERRED DELAYS	4989
<i>W. Ding, Z. Mao, B. Jiang, J. Wang</i>	
FAULT DETECTION FOR NETWORKED CONTROL SYSTEMS BASED ON DYNAMIC FEEDBACK OBSERVER	4995
<i>A. Ma, Q. Wang, C. Dong, Y. Xie</i>	
DISCRETE-TIME INDEFINITE STOCHASTIC LINEAR QUADRATIC OPTIMAL CONTROL WITH EQUALITY CONSTRAINTS	4999
<i>G. Li, W. Zhang</i>	
CONSENSUS OF MULTI-AGENT DIRECTED NETWORKS WITH PERTURBATIONS	5005
<i>W. Liu, H. Zeng</i>	
OPTIMAL CONTROL PROBLEMS OF MEAN-FIELD FORWARD-BACKWARD STOCHASTIC DIFFERENTIAL EQUATIONS WITH PARTIAL INFORMATION	5010
<i>S. Zuo, H. Min</i>	
BACKWARD LINEAR QUADRATIC STOCHASTIC OPTIMAL CONTROL PROBLEMS AND NONZERO SUM DIFFERENTIAL GAMES	5015
<i>Y. Lou, W. Li</i>	
MEAN-FIELD BACKWARD STOCHASTIC DIFFERENTIAL EQUATIONS WITH DISCONTINUOUS COEFFICIENTS	5021
<i>L. Li, Y. Han</i>	
ENHANCEMENT OF TARGET TRACKING USING TARGET ORIENTATION INFORMATION	5027
<i>X. Shi, Y. Wang</i>	
AERO-ENGINE MAIN FUEL CONTROL LOOP MODELING AND IDENTIFICATION	5032
<i>F. Nian, H. Ma, G. Yang</i>	
THE ASYMPTOTICAL STABILITY OF A WARM STANDBY SYSTEM WITH PRIORITY IN USE AND REPAIR	5038
<i>H. Sun, L. Ma</i>	
INTEGRATING METHOD BASED ON KICA AND LSSVM FOR STEEL TEMPERATURE PREDICTION OF HEATING FURNACE	5044
<i>L. Yu, Z. Mao, Y. Liu</i>	
MIXED ROUTING STRATEGY IN SCALE-FREE NETWORKS	5048
<i>D. Wang</i>	
BIPARTITE NETWORK PROJECTION AND ITS APPLICATION IN RECOMMENDATION SYSTEMS	5052
<i>G. Wang, H. Liu, L. Qing</i>	
TRAFFIC AND ROUTING ON A WEIGHTED SCALE-FREE NETWORK MODEL	5058
<i>D. Wang</i>	
DYNAMIC INVERSE CONTOUR CONTROL FOR PMLSM DIRECT DRIVE XY TABLE BASED ON VELOCITY FIELD	5062
<i>L. Wang, M. Sun, B. Li</i>	
ABSOLUTE STABILITY FOR LURE SYSTEMS WITH TIME-VARYING DELAY AND DISTURBANCE	5067
<i>J. Feng, N. Li, S. Wang</i>	
AN IMPROVED THREE POINTS COMPARING ALGORITHM APPLIED IN WIND POWER GENERATION	5071
<i>H. Li, Q. Li, Y. Man, X. Jiang, Y. Ruan</i>	
THE APPROACH POWER COMPENSATION SYSTEM OF CARRIER AIRCRAFT	5074
<i>Q. Zhu, J. Li, Y. Li, Z. Enjiao</i>	
DOUBLE INVERTED PENDULUM SLIDING MODE VARIATION STRUCTURE CONTROL BASED ON FRACTIONAL ORDER EXPONENTIAL APPROACH LAW	5077
<i>F. Pan, L. Liu, D. Xue</i>	
SHORT-TERM TRAFFIC FLOW FORECASTING MODEL BASED ON WAVELET NEURAL NETWORK	5081
<i>J. Gao, Z. Leng, Y. Qin, Z. Ma, X. Liu</i>	
RESEARCH ON AUTOMATIC WATER LEVEL DETECTION TECHNIQUE AND ITS APPLICATION FOR OPEN WATER-REPLENISHING TANK OF CENTRAL AIR CONDITIONING	5085
<i>G. Zhang</i>	
DESIGN OF GUIDANCE LAW WITH FINITE TIME CONVERGENCE BASED ON EXTENDED STATE OBSERVER	5089
<i>H. Zhou, S. Song, J. Song, M. Xu</i>	
APPLICATION DESIGN OF A SUN-TRACKING SYSTEM	5094
<i>H. Peng, T. Du, W. Gu</i>	
RESEARCH OF WHEAT DAMPENING MPC SYSTEM BASED ON RBF NEURAL NETWORK ALGORITHM	5099
<i>Y. Zhang, K. Wang, L. Ge, Q. Zhang</i>	
INPUT-OUTPUT ENERGY DECOUPLING FOR 3DOF HELICOPTER SYSTEM BY USING GENERALIZED KYP SYNTHESIS	5103
<i>Z. Zhang, J. Dong, G. Yang</i>	

THE DESIGN OF DIGIT RECOGNITION TEACHING EXPERIMENT BASED ON BP NEURAL NETWORK	5109
<i>H. Yu, J. Guo, Z. Yu, Y. Xian, P. Chen</i>	
THE INSTRUCTIONAL DESIGN OF CHINESE TEXT CLASSIFICATION BASED ON SVM	5114
<i>S. Wei, J. Guo, Z. Yu, P. Chen, Y. Xian</i>	
APPLICATION OF SCREW AXIS IDENTIFICATION METHOD FOR SERIAL ROBOT CALIBRATION IN THE SERVICE ROBOT	5118
<i>H. Wang, Q. Sun, W. Liu, X. Lu</i>	
RESEARCH ON EDGE DETECTION ALGORITHM FOR PLATE IMAGE	5123
<i>P. Wang, X. Meng, K. Zhang, S. Zheng, R. Pan</i>	
DISTRIBUTED ON-LINE PATH PLANNER FOR MULTI-UAV COORDINATION USING BI-LEVEL PROGRAMMING.....	5128
<i>W. Liu, Z. Zheng, K. Cai</i>	
THREE-STAGE ALGORITHM OF ESTIMATION AND FAULT DIAGNOSE FOR CLOSED-LOOP GAS TURBINE ENGINE SYSTEMS WITH UNKNOWN TIME DELAY	5134
<i>J. Ren, H. Ma, G. Yang</i>	
BCI CONTROL SYSTEM FOR HUMANOID ROBOT BASED ON MOTOR IMAGINARY	5140
<i>F. Wang, C. Zhou, X. Hao, S. Wang, G. Yang</i>	
A NOVEL FEATURE EXTRACTION METHOD FOR EPILEPSY EEG SIGNALS BASED ON ROBUST GENERALIZED SYNCHRONY ANALYSIS	5144
<i>L. Shunan, L. Donghui, D. Bin, W. Xile, W. Jiang, W. Chan</i>	
AN IMPROVED ALGORITHM OF MOTION ARTIFACTS CORRECTION FOR MRI	5148
<i>C. Wu, J. Zhai, R. Nie</i>	
A NEURODYNAMICS CONTROL STRATEGY FOR REAL-TIME TRACKING CONTROL OF AUTONOMOUS UNDERWATER VEHICLE	5153
<i>X. Hua, D. Zhu, X. Cao</i>	
OUTPUT FEEDBACK CNF CONTROL FOR OUTPUT REGULATION PROBLEM OF LINEAR SYSTEM WITH INPUT SATURATION	5159
<i>X. Lin, W. Lan</i>	
DYNAMIC MODELING RESEARCH ON THE SRD BASED ON ANSOFT AND SIMPOLOER	5165
<i>L. Xiao, H. Sun, F. Gao, Y. Dong, Y. Zheng</i>	
TARGET TRACKING OF THE SCALE AND ROTATION PROBLEM RESEARCH	5168
<i>H. Ren, Q. Zhao, X. Cheng, C. Wang</i>	
DSPM RADIAL FORCE STATIC CHARACTERISTIC ANALYSIS AND RBF NN MODELING UNDER ROTOR ECCENTRIC	5174
<i>J. Xiu, S. Wang</i>	
RESEARCH ON SPEED SENSORLESS VECTOR CONTROL OF INDUCTION MOTOR BASED ON TORQUE CURRENT DIFFERENTIAL	5180
<i>Q. Wu, L. Li, Y. Pang, Y. Wang</i>	
THE NEW AND PRECISE CONTROL BASE ON Z-SOURCE INVERTER.....	5183
<i>C. Dang, H. Liu, X. Zhang</i>	
THE INFLUENCE ANALYSIS OF RESISTANCE CHANGE TO EFFICIENCY-OPTIMIZATION CONTROL FOR IPMSMS USED IN ELECTRIC VEHICLE.....	5189
<i>Q. Wu, Y. Xu, Y. Liu, S. Wei</i>	
THE SINGLE NEURON ADAPTIVE PI CONTROL OF SRM BASED ON IPSO	5194
<i>J. Xiu, S. Wang</i>	
PRICING SCHEME BASED NASH Q-LEARNING LOAD CONTROL IN SMART GRIDS	5198
<i>X. Li, X. Qin, C. Zang, W. Che</i>	
H_∞ FILTERING WITH LOGARITHMIC QUANTIZER	5203
<i>W. Che</i>	
RESEARCH ON SENSORS ARRANGEMENT FOR CAPSULE ENDOSCOPE MICROROBOT MAGNETIC LOCALIZATION.....	5208
<i>J. Xu</i>	
RESEARCH ON CONTROL ALGORITHM DESIGN FOR AERO-ENGINE VANE ANGLE ON DYNAMIC PROCESS.....	5212
<i>T. Qu, B. Hao, Y. Liu, D. Luan</i>	
Author Index	