

# **2010 IEEE 17th International Conference on Industrial Engineering and Engineering Management**

**(IE&EM 2010)**

**Xiamen, China  
29-31 October 2010**

**Pages 1-971**



**IEEE Catalog Number: CFP1016G-PRT  
ISBN: 978-1-4244-6483-8**

# TABLE OF CONTENTS

001-2010032	<b>A GLOBAL OPTIMIZATION METHOD FOR FUZZY ANALYTIC HIERARCHY PROCESS WITH APPLICATION TO NEW PRODUCT DEVELOPMENT PROJECT SCREENING</b> <i>Kuo-Ping Chiao</i>	<b>1</b>
002-2110059	<b>A HYBRID DUE-DATE FULFILLED FORECASTING BASED ON CLUSTERING AND DECISION TREES</b> <i>Sheng-Yuan,Hsu</i>	<b>6</b>
003-1010474	<b>A STUDY OF REPUTATION MEASUREMENT SYSTEM OF CONSTRUCTION AGENCY IN GOVERNMENT INVESTMENT PROJECT</b> <i>Ling YAN,Li-xia JIA</i>	<b>12</b>
004-1010409	<b>ANALYSIS OF COUPLING AND INTERFACING MECHANISM FOR PLATFORM ARCHITECTURE</b> <i>Yan-ling CAI,Jin-feng WANG</i>	<b>17</b>
005-1010344	<b>ANALYSIS ON COAL MINE INVESTMENT DECISION BASED ON BINOMIAL TREE PRICING MODEL</b> <i>Jin-feng WANG,Yan AN,Li-jie FENG,Xin WANG</i>	<b>22</b>
006-1010433	<b>ANALYSIS ON COASTAL ZONE ECOLOGICAL ECONOMY SYSTEM BASED ON INTEGRATED REGULATIONS</b> <i>Yu-xin ZHENG,Hong-li WANG,Jia-liang GUO,Rong OUYANG,Jian-feng FENG</i>	<b>25</b>
007-1010430	<b>APPLICATION OF ANALYTIC HIERARCHY PROCESS IN ENERGY SUSTAINABLE DEVELOPMENT ANALYSIS</b> <i>Guo-ying ZHANG</i>	<b>29</b>
008-1010318	<b>APPLICATION OF BACK PROPAGATION NEURAL NETWORK ON PERFORMANCE EVALUATION OF ENTERPRISE INFORMATIZATION</b> <i>Xiao-qing LI,Ai-bin GUO,Ming SUN</i>	<b>34</b>
009-1010171	<b>APPLICATION OF GRAY RELATIVE ANALYSIS METHOD IN THE MARKET SEGMENT ALTERNATIVES OF AUTO COMPONENTS</b> <i>Hong-li YU,Yan YU</i>	<b>39</b>
010-1010120	<b>APPLICATION OF THE ANP METHOD BASED ON ENTROPY COEFFICIENTS TO EVALUATION OF RESOURCE-BASED CITY INNOVATION CAPACITY</b> <i>Yang CAO,Xue-qing WANG,Qing-e GUO</i>	<b>43</b>
011-1010061	<b>COASTAL ZONE URBAN ECOLOGICAL ECONOMY EVALUATION BASED ON SFA AND FACTOR ANALYSIS</b> <i>Qiang NI,Hong-li WANG,Huai-yu LI,Zhao-mei LIU,Jian-feng FENG</i>	<b>48</b>
012-1010193	<b>COMBINATION FORECASTING OF THE GOLF COURSES IN CHINA</b> <i>Yong-huan DUAN,Hong-li WANG,Shuang-mei LI,Di YAO,Fei-peng LI</i>	<b>52</b>
013-1010331	<b>COMPLETE OR INCOMPLETE INFORMATION INFRASTRUCTURE,</b>	<b>56</b>

	<b>IMPLICATIONS FOR ATTENTION-FOCUS IN DECISION-MAKING</b>	
	<i>Xin-ran WANG, Ji LI, Kevin C. K. Lam, Xiao-fei WANG</i>	
014-3990004	<b>COMPREHENSIVE EVALUATION AND SUGGESTION ABOUT THE REAL ESTATE MACROECONOMIC REGULATION AND CONTROL POLICY</b>	<b>61</b>
	<i>Shu-hong LI, Ji-dong MA</i>	
015-4230014	<b>CUSTOMIZING KNOWLEDGE-BASED RECOMMENDER SYSTEM BY TRACKING ANALYSIS OF USER BEHAVIOR</b>	<b>65</b>
	<i>Xiaohui Li, Tomohiro Murata</i>	
016-2010103	<b>DEVELOPING GREEN SUPPLIER SELECTION PROCEDURE: A DEA APPROACH</b>	<b>70</b>
	<i>U. P. Wen, J. M. Chi</i>	
017-1010071	<b>ECONOMIC EFFICIENCY EVALUATION OF NATIONAL ECONOMIC DEVELOPMENT ZONES BASED ON DEA AND SFA</b>	<b>75</b>
	<i>Hong-li WANG, Qiang NI, Jin-feng WEN, Rong OUYANG, Fei-peng LI</i>	
018-5230017	<b>EFFICIENCY EVALUATION OF CHINESE TRUST INDUSTRY BASED ON SFA</b>	<b>79</b>
	<i>Jing SUN, Hong-li WANG, Bin BAI, Jian-guo TAN</i>	
019-5230019	<b>ELECTRIC POWER ENGINEERING BIDDING EVALUATION BASED ON C2R MODEL</b>	<b>83</b>
	<i>Yu-wei JI, Shi-yun ZHANG, Jian WANG</i>	
020-1010123	<b>IMPLEMENTATION OF DISCRETE-EVENT SIMULATION (DES) IN ESTIMATING &amp; ANALYZING CO2 EMISSION DURING EARTHWORK OF BUILDING CONSTRUCTION ENGINEERING</b>	<b>87</b>
	<i>Hong-xian LI, Zhen LEI</i>	
021-1010461	<b>RESEARCH IN APPLICATION METHODS OF PRODUCTION LINE BALANCING AT AUTOMOBILE PAINT SHOPS</b>	<b>90</b>
	<i>Hong-mai WU, Zhuo LIU, Shou-gong YANG, Chu-meng LV</i>	
022-1010248	<b>RESEARCH ON ALLOCATING FIXED COST BASED ON EXTERNALITY COMPUTATION</b>	<b>95</b>
	<i>Fu-zhou LUO, Peng XUE, La-yin WANG, Xiao-ting ZHU</i>	
023-5230024	<b>RESEARCH ON EXPLORATION OF CENTRALIZED MANAGEMENT MODE OF GOVERNMENT-INVESTED PROJECTS IN SHENZHEN MUNICIPALITY</b>	<b>99</b>
	<i>Zheng-hong DING</i>	
024-1990038	<b>RESEARCH ON THE METHOD OF TALENTS SELECTION BASED ON FUZZY PREFERENCE RELATIONS</b>	<b>104</b>
	<i>Bao-lu CHEN</i>	
025-4010011	<b>RESEARCH PLAN FOR HARNESSING WAVE ENERGY IN EGYPT</b>	<b>108</b>
	<i>A. S. Bayoumi, H. A. El-Gama</i>	

026-2120119	<b>STATISTICAL PROCESS MONITORING OF BETWEEN-PART AND WITHIN-PART VARIATIONS USING INDEPENDENT COMPONENT ANALYSIS</b> <i>C. S. Cheng,H. P. Cheng,K. K. Huang</i>	111
027-1010044	<b>STUDY ON GAME AMONG GOVERNMENT AND CONSTRUCTION UNITS ABOUT GREEN ENGINEERING</b> <i>Li FU,Wen-jie HUANG</i>	116
028-1010472	<b>TACTICAL GUARANTEE NETWORK SURVIVABILITY CASCADE FAILURES ANALYSIS BASED ON PROBABILITY GENERATING FUNCTION</b> <i>Yong LI,Zhong-Chi QIN,An-quan ZOU</i>	120
029-1010153	<b>TECH-KNOWLEDGE CONFORMITY IN INNOVATION OF HIGH-TECH ENTERPRISES</b> <i>Hua CHEN,Li-qun ZHAN,Su-ping YE</i>	126
030-1010464	<b>THE DECISION ANALYSIS AND METHODS FOR ENTERPRISES TO RETAIN THE CORE HUMAN RESOURCES</b> <i>LI-ping WANG,Na XU</i>	132
031-1010255	<b>THE ESTABLISHMENT AND ANALYSIS OF TIME SERIES MODEL OF PER CAPITA GDP IN YUNNAN, CHINA</b> <i>Yang LIANG,Bin HAN</i>	137
032-1010150	<b>THE HEAT BALANCE STUDY ON REGIONAL SECOND-HAND COMMERCIAL RESIDENTIAL INDUSTRY</b> <i>Su-ying GAO,Ling-yun WANG,Shu-lian ZHANG,Mei DING</i>	140
033-5230007	<b>THE MARKETING THEORY BASED ON CUSTOMER KI-DRIVEN MODEL AND RESEARCH WAYS TO OPTIMIZE</b> <i>Jing ZHANG,Bo WANG</i>	145
034-1010051	<b>THE PRIORITY OF FUZZY COMPLEMENTARY JUDGMENT MATRIX AND ITS APPLICATION IN PROCUREMENT TENDERS FOR GOVERNMENT PROJECT</b> <i>Xue-qing WANG,Qian GUO</i>	148
035-1010339	<b>THE RELOCATION PLANNING FOR SERVICE CENTERS OF CHENGDU</b> <i>Jing SUN</i>	152
036-1010030	<b>THE STUDY ON DECISION-MAKING CRITERION OF PUBLIC PROJECTS</b> <i>Xi-zhen GAO</i>	157
037-1010435	<b>THE STUDY ON EVALUATION SYSTEM OF UNIVERSITY INTERDISCIPLINARY BASED ON PRINCIPAL COMPONENT ANALYSIS</b> <i>Peng LIU,Jin-feng WANG,Li-jie FENG,Zhi-qiang ZHANG</i>	161
038-1010288	<b>THE VEHICLE ROUTING PROBLEM OF REVERSE LOGISTICS WITH GREY RECYCLING DEMAND BASED ON HYBRID PSO</b>	166

*Hong LIU, Qi-shan ZHANG, Wen-ping WANG*

039-2010035	<b>TOC PORTFOLIO SELECTION MODEL FOR NPD PROJECTS OF THE BIOTECHNOLOGICAL INDUSTRY</b> <i>S. H. Chang, C. P. Kan, M. L. Wang</i>	170
040-2010015	<b>USING GAP ANALYSIS AND IMPLICIT IMPORTANCE TO MODIFY SIPA</b> <i>Y. C. Lee, Y. F. Hsieh, C. W. Huang</i>	175
041-1030056	<b>A RESEARCH ON THE PRICING POLICY FOR REMANUFACTURING PRODUCER</b> <i>Jin-liang LI, Fang YANG</i>	180
042-1030422	<b>A STUDY ON THE POSTPONEMENT INVESTMENT DECISION-MAKING OF COAL BED METHANE PROJECT BASED ON THE REAL OPTIONS</b> <i>Yong-fei ZHU, Sheng-you ZHANG, Li-jie FENG, Jin-feng WANG</i>	183
043-1030462	<b>COMPANY CHARACTERISTICS, MACROECONOMIC CONDITIONS AND DYNAMIC CAPITAL STRUCTURE ADJUSTMENT IN CHINA</b> <i>Hui HUANG</i>	186
044-1030431	<b>COMPARATIVE ANALYSIS BETWEEN THE EPC CONTRACT MODE AND THE TRADITIONAL MODE BASED ON THE TRANSACTION COST THEORY</b> <i>Qi GUO, Zhong-ping XU, Guang-fei ZHANG, Ting-ting TU</i>	191
045-1030147	<b>DISCRETE-EVENT SIMULATION (DES) OF UNCERTAINTY-BASED TIME-COST TRADE-OFF ANALYSIS</b> <i>Hong-xian LI, Zhen LEI</i>	196
046-1030087	<b>ECONOMIC EFFICIENCY ANALYSIS OF ENERGY EFFICIENCY RETROFIT FOR EXISTING RESIDENTIAL BUILDING IN TANGSHAN, CHINA</b> <i>Ying HAN, Neng ZHU</i>	200
047-1030508	<b>EMPIRICAL RESEARCH ON PERFORMANCE EVALUATION OF EFFECTS ON INTEGRATION MANAGEMENT OF ENGINEERING PROJECTS</b> <i>Guang-shu XU</i>	204
048-1030077	<b>FROM PROFIT TO PROFIT POTENTIAL — REDESIGN THE PERFORMANCE INDICATOR TO SUPPORT TOYOTA PRODUCTION SYSTEM</b> <i>Makoto Kawada, Zhan-wen NIU</i>	208
049-1030201	<b>INTEGRATION MODEL OF COAL ENTERPRISES ACTIVITY-BASED COST MANAGEMENT INFORMATION SYSTEM AND ERP</b> <i>Qing-he YUAN, Yan-hui HOU, Jian YANG</i>	217
050-1030104	<b>INVEST PROJECT RISK ASSESSMENT BASED ON JOINT ENTROPY MODEL</b> <i>Hua WANG, Li-ming ZHAO, Yong LI</i>	222

051-1030170	<b>OPTIMIZATION OF INSULATION THICKNESS FOR EXTERNAL WALL OF RESIDENTIAL BUILDINGS IN COLD REGIONS OF CHINA BASED ON LIFE CYCLE COST ANALYSIS</b> <i>Ying HAN,Neng ZHU</i>	227
052-1030267	<b>PARAMETER SELECTION OPTIMIZATION FOR PARAMETRIC COST ESTIMATION BASED ON SIMULATED ANNEALING</b> <i>Xiao-yan XING,Yi-yong XIAO,Ren-qian ZHANG</i>	231
053-4010010	<b>REAL OPTIONS FOR ENGINEERING MANAGEMENT DECISION MAKING</b> <i>Jacob Gargir</i>	237
054-1030221	<b>RESEARCH ON REFORM AND DEVELOPMENT MODEL FOR RURAL URBANIZATION OF XIAMEN SUBURBS</b> <i>Li-yun WANG</i>	240
055-1030476	<b>RESEARCH ON THE BENEFIT COORDINATION OF THE STAKEHOLDERS IN BT PROJECT</b> <i>Jun ZHAO</i>	245
056-1030477	<b>RESEARCH ON THE OWNER'S TACTICS TO UNBALANCED BID UNDER THE MODE OF CODE OF VALUATION WITH BILL QUANTITY OF CONSTRUCTION WORKS</b> <i>Yi-lin YIN,Lu QIAO,Biao LI</i>	249
057-5230021	<b>STRATEGIC ALLIANCE FOR ENTERPRISE KNOWLEDGE MANAGEMENT</b> <i>Shun-tung ZHANG,Dai-qin ZHANG,Li-bo HUANG</i>	253
058-1030022	<b>STRATEGIC STUDY ON CHINA CONSTRUCTION INDUSTRIAL MARKET BASED ON SSCP: AN EXAMPLE</b> <i>Yu-ping LIAO,Yi-sheng LIU</i>	258
059-1030475	<b>STUDY OF CLAIM IDENTIFICATION MODEL IN INTERNATIONAL PROJECT BASED ON PROCESS CONTROL IDEOLOGY</b> <i>Wei-yi HE,Xiao-ming CHEN</i>	263
060-1030258	<b>STUDY ON INCENTIVE CONTRACT MECHANISM OF CONSTRUCTION PROJECT UNDER BILATERAL MORAL HAZARD</b> <i>Ying-hui JIAN</i>	269
061-1030491	<b>SYSTEM ANALYSIS FOR CONTRACTOR PREQUALIFICATION BASED ON P-DEA METHOD</b> <i>Lei LI,Chun-lin WU,Yan-qing LI,Heng XIA,Yan WANG</i>	273
062-1030068	<b>THE EXPECTATION DISPARITY OF COST CONTROL AND COST UTILITY OPTIMIZATION IN SUPPLY CHAIN MANAGEMENT CONTEXT</b> <i>Hong-wei SHI,Zi-rong WANG,Li WEI</i>	278
063-1030033	<b>THE IMPROVEMENT ON THE VALUE OF CONSTRUCTION PRODUCTS</b>	282

**WITHIN THE SCALE OF SOCIAL VALUE**

*Xian-fang GUO, Yan-fang LI*

- 064-1030029 **THE RESEARCH ON THE METHOD OF DETERMINING BT PROJECT REPURCHASE PRICE** 286  
*Xi-zhen GAO*
- 065-2030071 **TIME-COST TRADE-OFF PROBLEM UNDER UNCERTAINTY INCORPORATING MULTI-OBJECTIVE GENETIC ALGORITHM AND FUZZY SETS THEORY** 290  
*C. H. Ding, S. Fujimura, X. Wei, W. Wei*
- 066-1030037 **URBANIZATION AND ECONOMIC GROWTH: A DYNAMIC PANEL DATA STUDY** 295  
*Jian-gang SHI, Zhe WANG*
- 067-5230033 **A NEW AUTHORIZATION MODEL OF A CASE-BASED COMPLEX SYSTEM APPLIED IN ENTERPRISE INFORMATIZATION** 299  
*Xue-min YUAN, Ting LI*
- 068-1020047 **AN APPLICATION OF LOGISTIC REGRESSION IN CEREBRAL INFRACTION DISEASE DETECTION BASED ON ASSOCIATION RULES WITH PRE-ROUGH CLASSIFIER** 304  
*Li YANG, De-sheng XU, Chang-qing LI, Wen-sheng TIAN*
- 069-1070410 **AN DATA EXCHANGE METHODOLOGY OF CAD AND VIRTUAL ASSEMBLY SYSTEM** 307  
*An-sheng LI, Xiao-bin SHEN*
- 070-1020130 **BIDDING STRATEGY AND PARTICIPATING THRESHOLD IN ONLINE ENGLISH AUCTION WITH BUY-IT-NOW OPTION** 311  
*Li DU, Gui-fen HUA*
- 071-1020152 **BUSINESS LOGIC STRUCTURE OF SAAS-BASED E-COMMERCE SYSTEM** 316  
*Kai-feng LI, Hao-yu WEN, Zhao-jun YANG*
- 072-1070407 **CLUSTERING ALGORITHM OF COLLABORATIVE MANUFACTURING CELLS BASED ON ENTROPY** 320  
*Yan-qiu XIAO, Zhan-chao WU, Guo-fu LUO*
- 073-1070102 **ENERGY-SAVING PRODUCT INNOVATIVE DESIGN PROCESS BASED ON TRIZ/AD** 325  
*Fu-ying ZHANG, Hong-chao ZHANG, Hui ZHENG, Qing-qing ZHANG*
- 074-1070204 **GREEN RATIONALITY EVALUATION OF DEGRADABLE PACKAGING BASED ON LCA AND FUZZY AHP** 329  
*Yi KANG, Jian LI*
- 075-4230012 **INFORMATION INTEGRATION IN A DYADIC RELATIONSHIP BETWEEN PRODUCER AND SUPPLIER: A CASE STUDY ON HOLTAB AND ITS SUPPL** 333

*Md. Maruf Hossan Chowdhury, Md. Tayub Chowdhury*

076-1050386	<b>INFORMATION MANAGEMENT SYSTEM OF THREE-DIMENSIONAL (3D) ANTHROPOMETRIC DATA BASED ON GLSCENE</b> <i>J.W. NIU, J. TAN, Y.J. ZHANG, X. ZHANG, L.H. RAN</i>	344
077-2070028	<b>INVESTIGATION AND DISCOVERY OF CORE ISSUES CONCERNING REQUIREMENTS ELICITATION IN INFORMATION TECHNOLOGY INDUSTRY AND CORRESPONDING REMEDIAL ACTIONS (AN INDUCTIVE CASE STUDY OF PAKISTAN'S IT INDUSTRY)</b> <i>I. Ashraf, A. Ahsan</i>	349
078-1070486	<b>KPIS: ANALYZING THE IMPACT OF BUILDING INFORMATION MODELING ON CONSTRUCTION INDUSTRY IN CHINA</b> <i>Wei-zhuo SUN, Guo-qiang ZHOU</i>	354
079-5230003	<b>POINTS WORTH RE-CONSIDERATION CONCERNING PRODUCT LIFE CYCLE MANAGEMENT</b> <i>Jun-yu YANG, Wei ZHAO</i>	357
080-1020169	<b>RESEARCH ON DATA LAYER STRUCTURE OF MULTI-TENANT E-COMMERCE SYSTEM</b> <i>Jia DU, Hao-yu WEN, Zhao-jun YANG</i>	362
081-1050270	<b>RESEARCH ON INFORMATIZATION MODEL AND PATH OF ENTERPRISE CLUSTER</b> <i>Jing HUANG, Jie ZHAO</i>	366
082-1990073	<b>STUDY ON THE FUNCTION OF SOFT AND HARD EQUIPMENTS IN FUSION BETWEEN INDUSTRIALIZATION AND INFORMATIONIZATION</b> <i>Xue-gang SHI, Er-shi QI</i>	371
083-1070381	<b>THE IMPLEMENTATION OF COLLABORATIVE DESIGN AND MANUFACTURE PLATFORM BASED ON WEB SERVICES</b> <i>Jun RAO, Tai-yong WANG</i>	376
084-2080121	<b>A RESEARCH OF INTELLIGENT PARAMETERS SEARCHING IN SMALL DATA SETS</b> <i>Wei-Hua Andrew Wang, Ya-Chun Chang, Wen-Hsin Chen</i>	379
085-2990112	<b>A STUDY OF COMBINED MANUAL MATERIALS HANDLING TASKS UNDER FOOTWEAR AND LIFTING AND LOWERING HEIGHT CONDITIONS</b> <i>Kai Way Li, Shu-Yu Ho, Chi Fung Liu</i>	384
086-1040137	<b>AN OPTIMAL TIMING OF MERGER AND ACQUISITION UNDER COOPERATION OPPORTUNISM AND PREMIUM IN REAL OPTIONS AND GAME-THEORETIC FRAMEWORK: CHINALCO MERGERING RIO TINTO PLC FOR EXAMPLE</b> <i>Lu BIAN, Wen-xiu HU, Jiang-peng ZHANG</i>	388
087-2080106	<b>ANN BASED INTELLIGENT VISION AND SORTING SYSTEM</b>	394



	<i>P. Govender,Z. Li</i>	
088-1080432	<b>APPLICATION OF SOME VALID METHODS IN LOGS COUNTING SYSTEM BASED ON DIGITAL IMAGE PROCESSING</b> <i>Ying XIN,Wei XUE</i>	<b>400</b>
089-4230009	<b>ASSESSMENT OF COMMUNICATION PROTOCOLS IN THE EPC NETWORK – REPLACING TEXTUAL SOAP AND XML WITH BINARY GOOGLE PROTOCOL BUFFERS ENCODING</b> <i>Jürgen Müller,Martin Lorenz,Felix Geller,Alexander Zeier,Hasso Plattner</i>	<b>404</b>
090-2080097	<b>DETECTING AND PREDICTING OF ABNORMAL BEHAVIOR USING HIERARCHICAL MARKOV MODEL IN SMART HOME NETWORK</b> <i>Wonjoon Kang,Dongkyoo Shin,Dongil Shin</i>	<b>410</b>
091-4040007	<b>EFFECTIVE LANGUAGE POLICY WITHIN GLOBAL COMMUNICATION</b> <i>N. A. Batova</i>	<b>415</b>
092-2080099	<b>FAULT DIAGNOSIS BASED ON THE ARTIFICIAL IMMUNE ALGORITHM AND NEGATIVE SELECTION</b> <i>P.Govender,D.A. Kyereahene Mensah</i>	<b>418</b>
093-1080273	<b>FORECASTING AND IDENTIFICATION OF STOCK MARKET BASED ON MODIFIED RBF NEURAL NETWORK</b> <i>Bin SUN,Tie-ke LI</i>	<b>424</b>
094-2040022	<b>IMPLEMENTATION OF SHRM IA PROCESS MODEL ON CHINESE ASSIGNEES IN PAKISTAN</b> <i>Syed Zahid Raza Rizvi,Khusro P. Malik GPHR,Farooq Akbar,Aftab H. Malik,Syed Kazim Raza Naqvi</i>	<b>428</b>
095-4230020	<b>ON PRIMAL-DUAL COST ALLOCATION SCHEMA IN MULTICAST COMMUNICATION:COMBINATORIAL GAME THEORY MODEL</b> <i>Darko Skorin-Kapov</i>	<b>433</b>
096-2080094	<b>ONLINE FUNCTIONAL PREDICTION FOR SPATIO-TEMPORAL SYSTEMS USING A GENERALIZED TIME-VARYING RADIAL BASIS FUNCTION NETWORKS FRAMEWORK</b> <i>Jionglong Su,T.J. Dodd</i>	<b>439</b>
097-5230002	<b>OPTIMIZATION DESIGN OF SPIRAL BEVEL GEAR MILLING MACHINE BASED ON TEST FEM SIMULATION AND SENSITIVITY ANALYSIS</b> <i>Qing LI,Dian-peng LI,Miao HU,Xin-hua XIAO</i>	<b>444</b>
098-1080445	<b>RESEARCH ON THE INTELLIGENT DECISION-MAKING SUPPORT SYSTEM OF SECURITIES</b> <i>Fei DING</i>	<b>449</b>
099-1040250	<b>ROLE OF EDUCATION FOR SPILLOVER EFFECTS OF FDI ON INNOVATION IN CHINA:--EVIDENCE FROM THE 1998-2008 PROVINCIAL PANEL DATA</b> <i>Jing-fei WU,Dan-zhi HU,Qian WANG</i>	<b>454</b>

100-2080070	<b>SCRUM ADOPTION, ACCEPTANCE AND IMPLEMENTATION(A CASE STUDY OF BARRIERS IN PAKISTAN'S IT INDUSTRY AND MANDATORY IMPROVEMENTS)</b> <i>M.J. Akhtar,A. Ahsan,W.Z. Sadiq</i>	458
101-1040446	<b>STUDY ON CONSTRUCTION ENTERPRISE'S TRANSNATIONAL COOPERATION BASED ON CORE COMPETENCE IN VALUE CHAIN</b> <i>Fu-zhou LUO,La-yin WANG,Peng XUE</i>	462
102-4080012	<b>THE EVALUATION OF BUSINESS INTELLIGENCE MATURITY LEVEL IN IRANIAN BANKING INDUSTRY</b> <i>Manoochehr Najmi,Mehran Sepehri,Spideh Hashemi</i>	466
103-1080138	<b>THE PSO-BP-BASED FORECAST OF LOGISTICS COST FOR COAL ENTERPRISES</b> <i>Yong-kui SHI,Jian-sheng SHAO</i>	471
104-2090040	<b>A NEW CELL FORMATION PROBLEM WITH THE CONSIDERATION OF MULTIFUNCTIONAL MACHINES AND IN-ROUTE MACHINES DISSIMILARITY - A TWO PHASE SOLUTION APPROACH</b> <i>I. Mahdavi,N. Tahami Baher,E. Teymourian</i>	475
105-5230031	<b>A TWO-PHASE OPTIMIZATION STUDY ON STRATEGIC ALLIANCE PARTNERS SELECTION OF COLLABORATIVE PRODUCT DESIGN</b> <i>Run-liang DOU,Guang YANG</i>	480
106-1090276	<b>AN EMPIRICAL STUDY OF THE RELATIONSHIP BETWEEN THE CAPABILITY OF IT AND BPR IN EQUIPMENT MANUFACTURER IN GUIZHOU PROVINCE</b> <i>Ting WANG,Lin YANG,Jin ZHAO</i>	484
107-1060306	<b>AN EMPIRICAL STUDY ON THE SUCCESS OF BPR BASED ON BPR SUPPORT SYSTEMS</b> <i>De-hai YU,Shu-ping YI,Ting WANG,Jin ZHAO</i>	489
108-2090082	<b>APPLICATION OF NEGOTIABLE EVOLUTIONARY ALGORITHM IN FLEXIBLE MANUFACTURING PLANNING AND SCHEDULING</b> <i>X.Hao,H.W.Lin,T.Murata</i>	496
109-1090085	<b>APPLICATIONS OF RFID IN A SCOR-MODEL DRIVEN ENTERPRISE PRODUCTION SYSTEM</b> <i>K.Q. WEI,L. ZHENG,Q. XIANG,X. CHEN</i>	501
110-1090360	<b>CHOOSING RECONFIGURABLE CONFIGURATION FOR AN INFUSION BAG'S PRODUCTION LOGISTIC SYSTEM USING FUZZY AHP</b> <i>Liang-an ZHANG,Jiang-ping MEI,Xiao-liu YU,Jin-sha ZHAO</i>	506
111-4110005	<b>DIMENTIONAL INSPECTION AND FEATURE RECOGNITION THROUGH MACHINE VISION SYSTEM</b> <i>B. K. Bhattacharyya</i>	511

112-1090487	<b>EVALUATING PERFORMANCE OF CIRCULAR ECONOMY FOR MANUFACTURING ENTERPRISE BASED ON THE THEORIES OF EFA AND MFA</b> <i>Li-jie CHEN,Jian LI, Li-ka CHEN</i>	515
113-1990372	<b>INNOVATION DESIGN OF SUBMERSIBLE MOTOR PUMP BASED ON TRIZ</b> <i>Jun DENG,Li-jie FENG,Jin-feng WANG</i>	520
114-1090174	<b>INNOVATION EFFICIENCY OF CHINESE MANUFACTURING INDUSTRY FROM 2003 TO 2008—BASED ON SFA METHOD</b> <i>Qing-xin LAN,Jing HAN,Min-ping LI</i>	524
115-1090499	<b>INVERSE DYNAMIC ANALYSIS OF THE 2-DOF PARALLEL PLATFORM WITH ACTUATION REDUNDANCY</b> <i>F. WANG,D. HAN</i>	529
116-1090078	<b>LEAN PRODUCTION AND ITS APPLICATION ASSESSMENT USING SET PAIR ANALYSIS</b> <i>Zhan-wen NIU,Bin ZUO,Wei-hong LI</i>	532
117-4080009	<b>MODEL-BASED CONTROL OF AN ELASTIC AIRCRAFT ENGINE ROTOR WITH PIEZO STACK ACTUATORS</b> <i>Filip LEBO,S. Rinderknecht,M. Özel</i>	537
118-1090165	<b>MODELING AND APPLICATION FOR CELLULAR FORMATION UNDER DYNAMIC ENVIRONMENT</b> <i>Jia-jing FAN,Ding-zhong FENG,Min CAO</i>	542
119-1090281	<b>MULTI-AGENT MODELING ON SCHEDULING OF MULTI-VARIETY AND MULTI-PROCESS JOB-SHOP</b> <i>Luo-ke HU,De-hai XIANG,Yong CHEN</i>	547
120-1990197	<b>OPTIMAL DESIGN OF LINKAGE CONTROL PANELS OF THE PORT MACHINERY CAB BASED ON ERGONOMICS</b> <i>Jing GAO,Xing-san QIAN,Shu-yi WANG</i>	553
121-1090408	<b>PERMUTATION FLOW SHOP SCHEDULING ALGORITHM BASED ON A HYBRID PARTICLE SWARM OPTIMIZATION</b> <i>Hai-bo TANG,Chun-ming YE</i>	557
122-1060094	<b>RESEARCH AND APPLICATION OF PROCESS INFORMATION INTEGRATED SYSTEM BASED ON WEB TECHNOLOGY</b> <i>Min LV,Gang WANG,Ning WU</i>	561
123-1090114	<b>RESEARCH OF ROBUST DESIGN IN MASS CUSTOMIZATION FOR AUTOMOBILE ENGINE BASED ON ORTHOGONAL EXPERIMENT</b> <i>Xing XU,Ren-wang LI,Xin-li WU,Yun ZHAO</i>	566
124-3090014	<b>RESEARCH ON THE APPLICATION OF LEAN PRODUCTION IN THE INDEPENDENT AUTOMOBILE ENTERPRISE</b> <i>Li-fang WANG,Ze-yong XU,Yu-chun WANG,Min ZHANG,Yu-lin SONG,Xiao LI</i>	571

125-1060452	<b>RESEARCH ON THE ORGANIZATIONAL MODEL AND HUMAN RESOURCE MANAGEMENT BASED ON ADVANCED MANUFACTURING TECHNOLOGY</b> <i>Qi-xun GAO,Qian-qian FENG</i>	577
126-2090084	<b>SIMULATION AND MULTI-AGENT-BASED INTEGRATED SOLUTION FOR MANUFACTURING PLANNING AND CONTROL</b> <i>C. Y. Cheng,L.C. Wang,S.L. Hsu</i>	582
127-2140019	<b>SLIPPING TIME AND VELOCITY OF FOOTWEAR SAMPLES IN FRICTION MEASUREMENTS</b> <i>K. W. Li,L. Liu,C-Y Chen,Y. T. Chen,H. F. Tsai</i>	587
128-1090252	<b>STUDY ON ECO-EFFICIENCY EVALUATION OF MANUFACTURING SYSTEM BASED ON CIRCULAR ECONOMY</b> <i>Xiao-hui AN,Yuan-min CUI,Er-shi QI</i>	591
129-1060209	<b>THE CAPABILITY EVALUATION OF IE COORDINATED IMPLEMENTATION BASED ON THE UNASCERTAINED MEASUREMENT MODEL</b> <i>Er-shi QI,Cui-na LI,Liang LIU</i>	594
130-1060450	<b>THE CONSTRUCTION TECHNOLOGY OF COLLABORATIVE MANUFACTURING SERVICE CHAIN BASED ON ADAPTIVE MULTI-AGENT PRODUCT STRUCTURE</b> <i>Guo-fu LUO,Ming-ming FU,Yan-qiu XIAO,Jun MA</i>	599
131-2060104	<b>THE EFFECTS OF CORPORATE ENVIRONMENTAL PRACTICES ON FINANCIAL PERFORMANCE OF GLOBAL COMPANIES</b> <i>J. D. van Iwaarden,I. Angelova,A. Mladenov,A. Dobрева</i>	604
132-1090455	<b>THE IMPROVED GENETIC ALGORITHM FOR THE COMPLEX JOB-SHOP SCHEDULING</b> <i>Yong CHEN,Ting-ting HU,Guo-xian WU,Zhong-ming ZHAO</i>	609
133-5230028	<b>A DEVELOPMENT OF MANUFACTURER-SUPPLIER GAME MODEL FOR HAZARDOUS SUBSTANCES RISK CONTROL IN ELECTRONICS INDUSTRY</b> <i>Wei-ge WANG,Dan YE,Ming-bo SUN</i>	615
134-2100096	<b>A HYBRID LOCAL SEARCH APPROACH IN SOLVING THE MIRRORED TRAVELING TOURNAMENT PROBLEM</b> <i>W.Wei,S.Fujimura,X.Wei,C.H.Ding</i>	620
135-2100030	<b>A NEW RANKING METHOD FOR EFFICIENT UNITS IN DATA ENVELOPMENT ANALYSIS WITH EXPANDED FEASIBLE REGION</b> <i>C. P. Bao,K. C. Lee</i>	625
136-4100001	<b>A NONLINEAR PROGRAMMING MODEL FOR A MULTI-FACILITY LOCATION PROBLEM WITH A PROBABILISTIC LINE BARRIER</b> <i>S. Shiripour,I. Mahdavi1,M. Amiri-Aref,M. Mohammadnia-Otaghsara</i>	630

137-5230030	<b>A PROBLEM ON CLAW-FREE HOMOGENEOUSLY TRACEABLE</b> <i>Zu LI,Ke-Wen ZHAO,Yue LIN,De-Qin CHEN</i>	635
138-2100010	<b>AN EVOLUTIONARY APPROACH USING FUZZY GREEDY INITIALIZATION TO PERMUTATION FLOW-SHOP SCHEDULING WITH THE MAKESPAN CRITERION</b> <i>K. Sheibani</i>	638
139-4180013	<b>ANALYSIS OF EDUCATION SERVICE PROVIDERS' DEMAND FOR ENTREPRENEURIAL ABILITY:THE EMPLOYMENT DILEMMA AND OPPORTUNITY FOR TECHNICAL AND VOCATIONAL SCHOOL STUDENT TEACHERS IN TAIWAN</b> <i>C. M. Chou,C. H. Shen,H. C. Hsiao,S. C. Chen</i>	642
140-4230006	<b>APPLYING FUZZY SIMPLE ADDITIVE WEIGHTING SYSTEM TO HEALTH EXAMINATION INSTITUTION LOCATION SELECTION</b> <i>H. Y. Lin,C. J. Liao,Y. H. Chang</i>	646
141-5230032	<b>DISCIPLINARY COMPETITION EVALUATION BASIS ON THE DEA CROSS-EFFICIENCY ANALYSIS</b> <i>Hua-ling LIU</i>	651
142-2100054	<b>IMPROVEMENTS IN SOLVING RESOURCE CONSTRAINED SHORTEST PATH PROBLEMS IN COLUMN GENERATION CONTEXT</b> <i>Isik Bicery,Taner Bilgic</i>	655
143-1100187	<b>MEASURING AIRPORT PRODUCTION EFFICIENCY BASED ON TWO-STAGE CORRELATIVE DEA</b> <i>Yan-chang CHU,Jian YU,Yan-bin HUANG</i>	660
144-2100113	<b>OPTIMAL QUERIES PROCESSING IN A HETEROGENEOUS SENSOR NETWORK USING MULTICOMMODITY NETWORK FLOW METHOD</b> <i>Nurjahan Begum,Samia Tasnim,Mahmuda Naznin</i>	665
145-4230002	<b>OPTIMIZATION BY LINEAR NETWORK CODING</b> <i>Shu Qin Li,Shuo-Yen Robert Li</i>	671
146-2120122	<b>OPTIMIZATION OF MIMO PLASTIC INJECTION MOLDING USING DOE, BPNN, AND GA</b> <i>W. C. Chen,H. C. Tsai,T. T. Lai</i>	676
147-1100058	<b>RESEARCH ON THE OPERATIONS STRATEGY OF CHINESE MANUFACTURING ENTERPRISES UNDER THE BACKGROUND OF INTERNATIONAL SUBCONTRACTING</b> <i>Qi FAN</i>	681
148-1100109	<b>SINGLE-MACHINE SCHEDULING WITH GENERAL DETERIORATING JOBS AND LEARNING EFFECT</b> <i>Xin-gong ZHANG,Guang-le YAN</i>	685
149-1100199	<b>THE OPTIMIZATION OF A MULTIPLIER ALGORITHM WITH NCP</b>	689

**FUNCTION**

*Yue LI, Feng-wen HUANG, Ai-ping JIANG*

- 150-1100343 **THE STUDY OF MULTI-OBJECTIVE DECISION METHOD BASED ON BAYESIAN NETWORK** 694  
*Hong-yan DUI, Li-li ZHANG, Shu-dong SUN, Shu-bin SI*
- 151-2100007 **USING REGRESSION MODEL FOR ELIMINATING THE PUZZLEMENT OF NON-ARCHIMEDEAN NUMBER IN DATA ENVELOPMENT ANALYSIS** 699  
*C. P. Bao, K. C. Lee, H. L. Pu*
- 152-1100148 **WEIGHT CHANGEABLE COMBINATION FORECAST METHOD BASED ON ACA** 704  
*Chao ZHANG, Qun ZHANG*
- 153-5230036 **A DECISION-MAKING METHOD FOR CUSTOMIZED PERFORMANCE-ENHANCEMENT PLAN BASED ON GREY RELATING-FUZZY APPRAISAL MODULE—AN EMPIRICAL STDUY ON TECHNICAL CENTER OF TIANJIN PIPE GROUP CORPORATION** 709  
*Xiao-jie LIANG, Chun-feng NIE, Jing XU, Yuan-ying MAO*
- 154-1200367 **A DISTRIBUTED WORKFLOW MANAGEMENT SYSTEM FOR COLLABORATIVE PRODUCT DEVELOPMENT** 714  
*Ping JIANG, Yui-kui DING, Liang GAO, Xin-yu SHAO, Yin-dong SHEN*
- 155-1110349 **A HYBRID GREEDY ALGORITHM FOR THE CAR SEQUENCING PROBLEM** 719  
*Long LIN*
- 156-1110185 **A PRODUCTION PLANNING METHOD BASED ON FUZZY CHANCE-CONSTRAINED PROGRAMMING** 723  
*Jian ZHANG, Hai-ping ZHU, Fei-fei HUA*
- 157-4110002 **AN INTEGRATED DUAL RESOURCE MANAGEMENT AND PRODUCTION PLANNING SYSTEM** 728  
*J. Xu, X. Xu, S. Q. Xie*
- 158-1200419 **APPLICATION RESEARCH OF SHORTENING DELIVERY TIME THROUGH VALUE STREAM MAPPING ANALYSIS** 733  
*Guo-qiang PAN, Ding-zhong FENG, Mei-xian JIANG*
- 159-2110036 **ARRIVING TIME CONTROL ALGORITHM FOR DYNAMIC FLEXIBLE FLOW SHOP PROBLEM** 737  
*C. Liu, S. Fujimura, L. Y. Kang*
- 160-1110392 **CYCLE TIME ESTIMATION APPROACH BASED ON MATHEMATICAL PROGRAMMING AND STATISTICAL REGRESSION** 742  
*Feng LIANG*
- 161-1200230 **DESIGN OF MINING DRAWING MANAGEMENT SYSTEM BASED ON WORKFLOW MODEL** 746  
*Xiao-wei MI, Nai-liang LI, Zhen-hua Liu, Xiao-cheng Fan, Bai-yu Zhang*

162-2100091	<b>FUZZY SETS FOR PURCHASE PLANNING IN UNCERTAIN CONDITIONS</b> <i>O. Panchenko, Y. Kupriyanov, V. Taratoukhine, A. Zeier</i>	<b>750</b>
163-1110269	<b>GENETIC ALGORITHM FOR JOB SHOP SCHEDULING WITH EARLINESS AND TARDINESS PENALTIES</b> <i>Hong-an YANG, Qi-feng SUN, Jie GUO</i>	<b>754</b>
164-3060009	<b>IE IS THE ACCELERATOR OF ECONOMIC GROWTH MODE TRANSFORMATION OF AUTONOMOUS VEHICLE</b> <i>Yu-chun WANG, Li-fang WANG, Ze-yong XU, Guang YANG</i>	<b>759</b>
165-1110160	<b>IMPROVEMENT FOR TRADITIONAL PERT BASED ON RATIONAL RISK AVERSION</b> <i>Ying-hui JIAN, Yong ZHANG</i>	<b>766</b>
166-1110194	<b>LEAD-TIME, CAPACITY AND PRICING DECISIONS FOR THE PRODUCTION SEAT BOOKING SYSTEM</b> <i>Li LI, Zhi-xiang CHEN</i>	<b>770</b>
167-2110123	<b>MACHINE-PROCESS GROUPING ALGORITHM USING PARTICLE SWARM OPTIMIZATION</b> <i>Dedy Suryadi, D. Daniel Sheu</i>	<b>773</b>
168-2110068	<b>MEDIUM-TERM MULTI-PLANT CAPACITY PLANNING PROBLEMS FOR SEMICONDUCTOR FOUNDRY</b> <i>James T. Lin, Tzu-Li Chen, Yin-Yann Chen</i>	<b>779</b>
169-1110048	<b>ON INTEGRATED PRODUCTION MODEL BASED ON TOC</b> <i>Hong-bo ZHANG</i>	<b>784</b>
170-1110226	<b>OPTIMIZATION OF BI-DIRECTIONAL PRESS LINE SCHEDULING BASED ON HYBRID GENETIC ALGORITHM</b> <i>Hai-ping ZHU, Zhi-chao GUO, Guo-jun ZHANG</i>	<b>788</b>
171-1110427	<b>REMOTE PRODUCTION DASHBOARD: A REAL-TIME AND ONLINE CONTROL TECHNOLOGY FOR DISCRETE MANUFACTURING PROCESS BASED ON KNOWLEDGE SERVICE</b> <i>Ao BAI, Ren-zhong TANG, Jing-xiang LV, Yu-xuan ZHU</i>	<b>793</b>
172-1110338	<b>RESEARCH ON SIMULATION-BASED PERFORMANCE ANALYSIS OF AERO-ENGINE CASING PRODUCTION LINE</b> <i>Bing CHEN, Ting YANG, Shan LI, Gang WANG</i>	<b>799</b>
173-1110088	<b>RESEARCH THE FEASIBILITY BASED ON HUMAN FACTORS IN AUTO PARTS PRODUCTION LINE TO IMPROVE THE EFFICIENCY</b> <i>Ying SHI</i>	<b>804</b>
174-1110393	<b>SPATIAL-BASED DECOMPOSITION APPROACH FOR THE CRUDE SCHEDULING PROBLEM OF A REFINERY WITH MULTIPLE PORTS AND LONG-DISTANCE PIPELINES</b> <i>Xuan CHEN, Zhi-hai ZHANG, Si-min HUANG, Li ZHENG</i>	<b>808</b>

175-1110457	<b>THE STUDY ON BALANCE OF PRODUCTION SCHEDULE AND CAPABILITY OF DELI MOLDED PRODUCTS CO. LTD</b> <i>Yan XU,Qiao XIE,Qun LIU</i>	813
176-1120220	<b>A STATISTICAL CONTROL CHART BASED ON ARMA (N, N-1) MODEL</b> <i>Xun-bo LIU,Xiao-ming SUN,Yi-ying ZHU</i>	817
177-3020001	<b>A STUDY ON THE LEANING TOWARD KANSEI QUALITY MANAGEMENT SYSTEM OF FOODS WITH KNOWLEDGE INTEGRATION</b> <i>Da-qing LI,Da-peng WEI</i>	821
178-1120368	<b>AN ANALYSIS METHOD FOR ROBUSTNESS OF MECHANICAL PROCESS SCHEME BASED ON VMEA AND TRIZ</b> <i>Zhao MA,Yi-hai HE,Wen-bing CHANG,Mei-hui WANG</i>	827
179-5230023	<b>AN INNOVATIVE DESIGN OF ENERGY-SAVING PRODUCTS BASED ON QFD/TRIZ/DEA INTEGRATION</b> <i>Hui ZHENG,Hong-chao ZHANG,Fu-ying ZHANG</i>	831
180-1120239	<b>AN SVR AND SINGLE RESPONSE MODELING STRATEGY BASED RPD APPROACH FOR MULTIEXTREME PROCESSES</b> <i>Qing-an CUI</i>	835
181-1120010	<b>ANALYZING QUALITY MANAGEMENT STATUS QUO AND RELATIONSHIP OF FOOD INDUSTRY IN CHINA</b> <i>Yi-zhong MA,Jie BI</i>	840
182-2120055	<b>APPLIED TECHNOLOGY FORECASTING MODEL ON EVALUATION OF QUALITY GROWTH</b> <i>Pei-Hsi Lee,Chih-Ping Chiang</i>	845
183-3120002	<b>APPLYING QUALITY FUNCTION DEPLOYMENT TO QUALITY MANAGEMENT OF PRODUCT SERVICE SYSTEM</b> <i>Zhi-sheng HONG,Jia-zhen HUO</i>	849
184-4120014	<b>DEVELOPMENT OF THE QUALITY MANAGEMENT OF EDUCATIONAL ESTABLISHMENTS IN THE REPUBLIC OF BELARUS</b> <i>Krum Elena Vitalievna</i>	854
185-2120116	<b>ESTIMATION OF REPEATABILITY AND BETWEEN-METHOD REPRODUCIBILITY USING A NOVEL STATISTICAL MODEL</b> <i>MingNan Chen</i>	857
186-2120114	<b>LEAN SIX SIGMA FRAMEWORK TO IMPROVE THROUGHPUT RATE</b> <i>M.G. Kanakana,J.H.C. Pretorius,B. van Wyk</i>	862
187-1120493	<b>ON THE FORMATION OF MATHEMATICAL MODEL IN THE DEFECTIVE DESIGN IN MECHANICAL PRODUCTS</b> <i>Wei-dong LIU,Gui-hai YANG</i>	867
188-2120048	<b>PRIORITIZATION OF PRODUCT DESIGN TASKS USING QFD, TRIZ AND</b>	871



**DSM**

*C. C. Tseng, C. C. Torng, S. C. Lin*

- 189-3120012 **QCC IN LUMBER INDUSTRY TIMBER PRODUCTION QUALITY IMPROVEMENT APPLICATION** 876  
*Yu-jie ZHU, Yang LI*
- 190-1120093 **QUALITY GAPS IN NEW PRODUCT DEVELOPMENT** 881  
*Ning-ning JING, Chen YANG*
- 191-1120162 **RESEARCH ON CUSTOMER REQUIREMENTS MODEL BASED ON A-CUTS FUZZY WEIGHTED AVERAGE METHOD** 884  
*Jin-tong GUO, Jie HU, You ZHAO*
- 192-1120052 **STATISTICAL PROCESS CONTROL OF OVER-DISPERSED MULTIVARIATE COUNT DATA** 888  
*Yan-ting LI, Li-feng XI*
- 193-2120005 **STATISTICAL THINKING FOR ENGINEERS—WHAT, WHY, AND HOW?** 893  
*K.S. Krishnamoorthi*
- 194-2070118 **SYSTEMATIC STRATEGIES IN DESIGN PROCESS FOR INNOVATIVE PRODUCT DEVELOPMENT** 898  
*Chung-Shing Wang, Teng-Ruey Chang*
- 195-2120014 **THE RISE AND FALL OF R&D CENTER'S 'QUALITY MANAGEMENT DEPARTMENT' OF A MAJOR ICT BASED CHINESE ORGANIZATION IN PAKISTAN: AN EXPLORATORY, EXPLANATORY AND ANALYTICAL CASE STUDY OF CORE REASON OF RISE AND FALL AND CORRESPONDING SOFT BENEFITS AND DIS-BENEFITS** 903  
*A. Ahsan*
- 196-1130297 **A HASS PROFILE RESEARCH METHOD BASED ON COMPUTER SIMULATION TECHNOLOGY** 911  
*Li-zhi WANG, Tong-min JIANG, Xiao-yang LI, Fu-qiang SUN*
- 197-1130229 **A MIXED EXPERT SYSTEM FOR FAULT DIAGNOSIS** 916  
*Yuan-hang WANG, Chao DENG, Yao XIONG, Jun WU*
- 198-1130322 **AN INFORMATION FUSION METHOD FOR RELIABILITY BASED ON D-S EVIDENTIAL THEORY** 920  
*Jun-bo WAN, Tong-min JIANG, Xiao-yang LI, Yu FAN*
- 199-1130377 **AVAILABILITY OF MARKOV REPAIRABLE SYSTEMS WITH CHANGEABLE OPERATING REGIMES** 924  
*Li-ying WANG, Li-rong CUI, Wei CHEN, Xian ZHAO*
- 200-1130298 **CONDITION-BASED EARLY STAGE DIAGNOSIS USING ROBUST ANT COLONY CLUSTERING ALGORITHM AND FEATURE MAPPING** 927  
*Ji-hong YAN, De-bin ZHAO*
- 201-1130133 **INTEGRATED IMPORTANCE MEASURE OF BINARY COHERENT** 932

## SYSTEMS

*Shu-bin SI, Li-li ZHANG, Zhi-qiang CAI, Ning WANG*

- 202-1130132 **MODELLING OF FAILURE PREDICTION BAYESIAN NETWORK BASED ON FAULT TREE ANALYSIS** 937  
*Zhi-qiang CAI, Shu-dong SUN, Shu-bin SI, Ning WANG*
- 203-1130404 **MODELING AND OPTIMIZATION OF DETERIORATING EQUIPMENT WITH PREDICTIVE MAINTENANCE AND INSPECTION** 942  
*Ning WANG, Shu-dong SUN, Shu-min LI, Shu-bin SI*
- 204-1130268 **OPTIMIZATION OF STEP STRESS ACCELERATED DEGRADATION TEST PLANS** 947  
*Jing-Rui ZHANG, Tong-Min JIANG, Xiao-Yang LI, Li-Zhi WANG*
- 205-1130405 **PROBABILITY ANALYSIS OF CONCRETE SLAB CRACKING DURING CONSTRUCTION** 952  
*Jia-chun WANG, Jin-gu XU*
- 206-1130416 **RELIABILITY ANALYSIS OF A NOVEL STRUCTURE IN AN AUTOMATIC SORTING SYSTEM** 955  
*Xiu-fang SUN, Li ZHENG*
- 207-1130333 **RELIABILITY ASSESSMENT BASED ON PROPORTIONAL DEGRADATION HAZARDS MODEL** 958  
*He-tao CHEN, Hong-jie YUAN*
- 208-1130494 **RELIABILITY EVALUATION BASED ON FUZZY FAULT TREE** 963  
*Guo-zhu MAO, Jia-wei TU, Hui-bin DU*
- 209-1130501 **RESEARCH ON MAINTENANCE MANAGEMENT OBJECT STRUCTURE MODE BASED ON ROM** 967  
*Zao-jie KONG, Ying-xin MENG*
- 210-1130321 **THE LIFE ASSESSMENT OF COMPLEX SYSTEM BASED ON MEMBERSHIP FUNCTION** 972  
*Feng-yong LANG, Xiao-gang LI*
- 211-2130074 **THE OPTIMAL MAINTENANCE POLICY PROPORTION FOR THE REPAIRABLE WARRANTY EQUIPMENT USING DECREASING-FAILURE-RATE-REDUCTION METHOD** 977  
*Jhy-Ping Jhang*
- 212-1130385 **THE RELIABILITY CONTROL MODEL OF CNC SYSTEM BASED ON CONCURRENT ENGINEERING** 981  
*Hai-bo ZHANG, Qi LI, Liang LIU*
- 213-1130365 **UNCERTAINTY RESEARCH ON ECONOMIC RELIABILITY OF EQUIPMENT BASED ON EXTENDED MONTE CARLO SIMULATION** 986  
*Xiao-yan XING, Yi-yong XIAO, Zhao-dong HUANG*
- 214-1140391 **A DYNAMIC MODEL OF CONSTRUCTION PROJECT RISK** 991

**MEASUREMENT BASED ON THE PROCESS***Su-xian ZHANG,Rui-li YANG*

- 215-1140300 **A HIERARCHY GAP METHOD (HGM) FOR RISK IDENTIFICATION** 995  
*Ya-ping LI,Wei WANG,Xue-min LENG*
- 216-1140315 **A MISSION RELIABILITY METHOD (MRM) FOR RISK MANAGEMENT IN THE DEVELOPMENT OF MATERIEL SYSTEM** 1000  
*Ya-ping LI,Wei WANG,Xue-min LENG*
- 217-1140437 **AN ANALYSIS ABOUT SCATTERING AGRICULTURAL RISK OF FARMERS BASED ON CONTRACT FARMING** 1005  
*Lei CHANG,Shu-ying WANG*
- 218-5230029 **AN APPROACH TO RISK EVENTS ANALYSIS FOR ERM USING AHP AND CLUSTER ANALYSIS USING AHP AND CLUSTER ANALYSIS** 1009  
  
*Pornwan Pornprasitpol, Dan YE , Ming-bo SUN*
- 219-1140200 **ANALYSIS OF OVER-SPEED COUPLING ACCIDENTS ON HUMP BASED ON FUZZY PETRI NET** 1014  
*Chun-min ZHANG,Yin-zhen LI*
- 220-1140500 **BUILDING FIRE PROTECTION SYSTEM RELIABILITY ANALYSIS BASED ON GO METHOD** 1019  
*Ling-ling XU,Chun-xiao LI,Hui-bin DU*
- 221-1140456 **COMPARATIVE ANALYSIS ON IPO UNDERPRICING OF GEM AND SME AND POLICY IMPLICATION** 1023  
*Ming CAO*
- 222-1140155 **CORPORATE FINANCIAL STRUCTURE AND OUTPUT FLUCTUATIONS:AN EMPIRICAL ANALYSIS OF CHINESE LISTED COMPANIES UNDER THE US SUBPRIME MORTGAGE CRISIS** 1028  
*Chao-wu WAN,Bin GUO*
- 223-2100062 **CREW SCHEDULING MODELS IN AIRLINE DISRUPTION MANAGEMENT** 1032  
*Xindu Chen,Xin Chen,Xinhui Zhang*
- 224-1140371 **DEA-BASED ASSESSMENT MODEL FOR IDENTIFYING HUMAN UNSAFE BEHAVIOR IN COAL MINE ENTERPRISES** 1038  
*Zhen ZHAO,Qing-an CUI,Jin-feng WANG*
- 225-2140081 **EFFECT OF THE INVOLVEMENT DEGREE OF PLAYING VIDEO GAMES ON BRAIN WAVES FOR AN HOUR** 1043  
*F. L. Lin,C. L. Chang,Y. T. Jou,S. C. Pan,T. Y. Hsu,C. D. Huang*
- 226-1140383 **EVALUATION PROBLEM STUDY OF UNDERMINE PRODUCTION OF COLLIERY SAFETY BASED ON FUZZY HIERARCHY METHOD** 1048  
*Li-jie FENG,Zhi-qiang ZHANG,Jin-feng WANG,Peng LIU*

227-1140026	<b>EVOLUTION MECHANISM STUDY FOR FOOD SAFETY EMERGENCY—BASED ON LIFE-CYCLE THEORY</b> <i>Qiu-ling CHEN, Qing ZHANG, Shu-ting HUANG, Lu XIAO</i>	1053
228-2140093	<b>FRICITION MEASUREMENTS ON INCLINED DRY, WET, AND GLYCEROL-CONTAMINATED FLOORS USING FOUR FOOTWEAR SAMPLES</b> <i>Kai Way Li, Jung-Chun Lu, De Lin Tseng</i>	1058
229-1140125	<b>GAME ANALYSIS BASED ON ENTERPRISES' WORK SAFETY SUPERVISION</b> <i>Yi-xin LUO</i>	1062
230-2990056	<b>NUMERICAL STUDY ON THE SYSTEMS OF NONLINEAR ORDINARY DIFFERENTIAL EQUATIONS FOR DEFAULT RISK MODEL</b> <i>Manabu INOUE, Naoyuki ISHIMURA, MasaAki NAKAMURA</i>	1066
231-1140207	<b>RESEARCH ON A QUANTITATIVE MODEL OF COAL MINE SAFETY MANAGEMENT</b> <i>Li-xia QI, Xue YANG</i>	1070
232-1140346	<b>RESEARCH ON SAFETY EVALUATION OF COAL MINE AIRFLOW SYSTEM BASED ON BP NEURAL NETWORK</b> <i>Xue-qi ZHAI, Jin-feng WANG, Li-jie FENG</i>	1074
233-1140100	<b>RESEARCH ON THE APPLICATION OF MULTIDIMENSIONAL ASSOCIATION RULE IN CONSTRUCTION ACCIDENTS ANALYSIS</b> <i>Wei-ke CHEN, Jin-ling LI</i>	1077
234-1140089	<b>RESEARCH ON THE EARLY-WARNING MODEL BASED ON THE CONTROLLABLE DEGREES OF ALARM</b> <i>Wei-ke CHEN, Bao-lan YANG, Zhen-shi ZHANG</i>	1082
235-1140364	<b>RFID APPLICATION CHALLENGES AND RISK ANALYSIS</b> <i>Xiao-dan WU, Yun-feng WANG, Jun-bo BAI, Hai-yan WANG, Chao-Hsien CHU</i>	1086
236-1140305	<b>RISK EVALUATION OF EPC PROJECT BASED ON ANP FUZZY COMPREHENSIVE EVALUATION</b> <i>Hui-yun YANG, Wen-bin LV, Hong-ling XU</i>	1091
237-1140253	<b>RISK-MINIMIZING HEDGING FOR STOCHASTIC PAYMENT STYLED CONTINGENT CLAIMS</b> <i>Jian-hua GUO, Qing-xian XIAO</i>	1097
238-2140086	<b>SAFETY PRACTICES OF A BUS OPERATOR PRACTICING ONE MAN OPERATION DURING FESTIVE SEASON</b> <i>M.R. Osman, F. Abas, O. Ilhamah, M.S. Noh, H.Z. Zarir, A.B. Wahida, P. Noor Faradila, A. Mohamad Suffian, M.F. Siti Atiqah</i>	1102
239-1140354	<b>STUDY ON PERFORMANCE EVALUATION OF GOVERNMENT SUPERVISION BASED ON DEMPSTER-SHAFER THEORY</b>	1107

*Xin WANG, Jin-feng WANG, Li-jie FENG, Yan AN*

- 240-1140337 **STUDY ON THE BUILDING OF THE CITY GAS PIPELINE NETWORK EARLY WARNING SYSTEM** 1112  
*Wei-ke CHEN, Yan-chun QI*
- 241-1140375 **SUPPLY CHAIN RISK MANAGEMENT FOR FORESTRY ENTERPRISES** 1115  
*Ji-dong MA, Shu-hong LI*
- 242-1140119 **THE EVOLUTIONARY GAME ANALYSIS OF MINE WORKER ' S BEHAVIOR OF VIOLATING RULES** 1120  
*Dan WANG, Yu-zhi SHEN*
- 243-5230012 **THE RESEARCH AND APPLICATION OF VEHICLE COMFORTABLENESS BASED ON ANALYTIC HIERARCHY PROCESS METHOD** 1124  
*Guang CHENG, Ying LI, Jun-qian Chang, Xiu-fang SUN*
- 244-1140502 **THE STUDY ON RISK ASSESSMENT OF EPC CONTRACTOR BASED ON FUZZY ANALYTIC HIERARCHY PROCESS** 1129  
*Xing BI, Hai-tao TAN*
- 245-1150489 **A FRAMEWORK FOR LOGISTICS SERVICE INNOVATION BASED ON SERVICE SCIENCE** 1133  
*Ting YUAN, Er-shi QI*
- 246-1150129 **A STUDY ON THE OPERATION OF CHINESE UNIVERSITY SCIENCE PARK BASED ON DEA-TOBIT MODEL** 1136  
*Wen-qing WU, Fei XIE, Li-ming ZHAO*
- 247-1150497 **AN APPLICATION OF FUZZY OPTIMAL CLUSTER MODEL TO THE QUALITY EVALUATION IN LOGISTICS SERVICES** 1141  
*Hai-yan QI, Jiang-bo ZHENG*
- 248-3990003 **AN EMPIRICAL RESEARCH OF CHINESE UNIVERSITY STUDENTS PERSONAL VALUES AND COSTUME CONSUMPTION VALUE MODEL** 1145  
*Jian-nan GUO, Hong SUN*
- 249-5230016 **AN EMPIRICAL STUDY OF FULL-CIRCULATING STOCK'S IPO UNDERPRICING IN CHINA'S A-SHARE MARKET** 1152  
*Xiao-peng JI, Hong-li WANG, Hong-yu LI, Wei-min WU, Jian-guo TAN*
- 250-1150417 **ANALYSIS ON ARCHETYPE GENERATING SET OF HOSPITAL COMPETITIVENESS IN JIANGXI PROVINCE BASED ON INDEX EVALUATION SYSTEM** 1155  
*Li-qing LI, Xiao-gang ZHOU*
- 251-1150444 **ANALYSIS ON THE INFLUENCING FACTORS OF HRO DEGREE** 1161  
*Yu-jie HUANG, Guo-mei ZHANG, Xiu-juan LI*
- 252-1150006 **EVALUATING URBAN SERVICE ECONOMY GRAVITATION AND GRAVITATIONAL ENERGY—BASED ON GRAVITY MODEL** 1166

	<i>Qiu-ling CHEN,Shu-ting HUANG,Qin-jing GAO</i>	
253-5230013	<b>GROWTH AND CAPITAL STRUCTURE---EVIDENCE FROM PANEL DATA OF LISTED FIRMS ON SMES BOARD</b> <i>Qing-mei TAN,Jin-ke WU,Jiao MA,Jie ZHANG</i>	1170
254-5230015	<b>INFLUENCE FACTORS ANALYSIS OF CHINESE TRUST INDUSTRY PROFITABILITY BASED ON RFA</b> <i>Hong-li WANG,Yong-huan DUN,Bin BAI,Jian-guo TAN</i>	1174
255-5230034	<b>INTELLIGENT TRANSPORT MANAGEMENT SYSTEM FOR URBAN TRAFFIC HUBS BASED ON AN INTEGRATION OF MULTIPLE TECHNOLOGIES</b> <i>Na ZENG,Ke-jing QIN,Jun LI</i>	1178
256-4150008	<b>MAPPING OUT THE GLOBAL VALUE CHAINS OF CHINESE OUTSOURCED SERVICE INDUSTRIES: THE CASE OF ITO AND BPO</b> <i>Ming DONG</i>	1184
257-1150283	<b>MEASURING EFFICIENCY OF HAND SURGERY DEPARTMENTS USING DATA ENVELOPMENT ANALYSIS(DEA)</b> <i>Si-chong HUANG,Da-cheng LIU,Zhi-fang LU</i>	1189
258-1150082	<b>OPTIMIZATION FOR CONTAINER HANDLING EQUIPMENTS ALLOCATION BASED ON ARENA</b> <i>Jie WAN,Qing-yu MENG,Wen WANG</i>	1194
259-3150013	<b>RESEARCH ON MECHANISM AND IDENTIFICATION OF CORE COMPETITIVENESS IN LARGE CONSTRUCTION ENTERPRISES</b> <i>Li-Jun GAO,Fu-Zhou LUO,Jiang-Peng ZHANG</i>	1198
260-1150202	<b>RESEARCH ON THE EVOLVING MODEL OF PRODUCT WARRANTY NETWORK</b> <i>Jian YU,Jia-jia WANG</i>	1203
261-2990043	<b>RESEARCH ON THE NATIONAL COMPENSATION ISSUES FOR THE PROVINCIAL HIGHWAY CONSTRUCTION</b> <i>Tung-Tsan Chen,Yao T. Hsu</i>	1207
262-1150196	<b>SERVICE PERCEPTION-ORIENTED EVALUATION OF THE MANUFACTURING RESOURCE'S SERVICE CAPABILITY</b> <i>Yun-tao ZHANG,Hua LI</i>	1212
263-3030017	<b>STUDY OF SME CREDIT EVALUATION SYSTEM UNDER THE CURRENT FINANCIAL CRISIS</b> <i>Xiao-yan WANG,Zhi-yue WU,Zhi-jian WANG</i>	1217
264-3990008	<b>STUDY ON GREEN CONSTRUCTION AND INDEX SYSTEM OF GREEN CONSTRUCTION ASSESSMENT</b> <i>Rui PAN</i>	1221
265-5230009	<b>THE DESIGN OF COOPERATIVE PLANNING PROCESSES IN RAILWAY</b>	1226

**BUREAUS BASED ON ROLES,ACTIVITIES AND TIME SEQUENCES**

*Gang LIU,Li ZHENG,Yuan-Yun SUN*

- 266-2150049 **THE FORECASTING MODEL'S ESTABLISH AND ANALYZE OF THE DEMAND OF TRAVELING BETWEEN MINI-THREE LINKS** 1231  
*C. S. Lin,T. I Kuo,M. H. Tai*
- 267-1150101 **TRANSPORTATION PLANNING AND DESIGN OF THE URBAN ROAD INTERSECTION BASED ON IE IDEAS** 1236  
*Fu-yu WANG,He-ping WANG*
- 268-1160180 **A ROBUST (Q, R) INVENTORY MODEL REGARDING INACCURACY OF POINT ESTIMATION OF DEMAND STATUS** 1241  
*Kai MI,Yi-hai HE,Wen-bing CHANG*
- 269-1160312 **A COORDINATING MECHANISM OF INVENTORY NETWORK IN SUPPLY-DRIVEN CHAIN** 1244  
*Ren-bin XIAO,Zheng-ying CAI*
- 270-2160057 **A NEW APPROACH OF ADAPTIVE NEURO FUZZY INFERENCE SYSTEM (ANFIS) MODELING FOR YIELD PREDICTION IN THE SUPPLY CHAIN OF JATROPHA** 1249  
*S.P.Srinivasan,P.Malliga*
- 271-1160355 **A STUDY ON MANUFACTURER AND SUPPLIERS FOR PRODUCT INNOVATION COORDINATING TO AVOID THE RISK BASED ON GAME THEORY** 1254  
*Yang LI,Li-hai WANG*
- 272-2160063 **AN INTEGRATED LOCATION-INVENTORY MODEL FOR VENDOR-MANAGED INVENTORY IN THE RETAIL SUPPLY CHAIN** 1258  
*C. L. Hsieh,W. M. Chou*
- 273-5230014 **ANALYSIS ON THE ENTERPRISE LEGAL RELATIONSHIP WITH SUPPLY CHAIN MANAGEMENT MODE AND ITS SYSTEM ESTABLISHMENT** 1263  
*Xiao-chun LIU,Meng SHEN*
- 274-1160111 **APPLICATION OF REVERSE AUCTION IN THE SUPPLIER SELECTION** 1267  
*Jiang-xia YU,Shao-hua HAN*
- 275-1160352 **ASSESSING SUPPLY CHAIN PERFORMANCE BASED ON PROBLEM DISCOVERY AND ANALYSIS** 1271  
*Wei-hua ZHANG,Lin-lin HOU,Wan-hua QIU*
- 276-1160436 **ASSESSMENT OF GREEN SUPPLY CHAIN RISK BASED ON CIRCULAR ECONOMY** 1276  
*Zhen-kun YANG,Jian LI*
- 277-1160309 **COMPREHENSIVE EVALUATION MODEL AND APPLICATION OF RISKS OF KNOWLEDGE MANAGEMENT IN SUPPLY CHAIN NODE ENTERPRISES** 1281

*Bing-hui LIU, Xiao-qing LI, Yong-juan KANG*

- 278-2160021 **CONSIDERING MODULAR LEVEL OF PRODUCT TO MINIMIZE COST IN REVERSE LOGISTICS** 1287  
*Yufang Chiu, Yung-shao Chen, Shi-Jyun Wang, Ssu-Ju Wang*
- 279-1160263 **CONSTRUCTING GREEN SUPPLY CHAIN BASED ON THE MODE OF CIRCULATION ECONOMY** 1292  
*Jian LI, Jiao LAN*
- 280-2160101 **CONSTRUCTING THE GREEN SUPPLY CHAIN MODEL OF THE INTERNATIONAL TOURIST HOTEL IN CASTING SERVICE** 1297  
*Ling-Feng Hsieh, Chih-Pin Su*
- 281-4160004 **COOPERATIVE SUPPLY CHAIN MANAGEMENT USING A GRID-BASED OPTIMIZER** 1300  
*Mehran Sepehri, Manoochehr Najmi, Kaveh Fayazbakhsh*
- 282-2160061 **COORDINATING A CHANNEL WITH A JOINT VMI AND CONSIGNMENT CONTRACT FOR A DETERIORATING ITEM AND STOCK DEPENDENT DEMAND** 1306  
*I-Chen Lin, Jen-Ming Chen*
- 283-1160484 **COORDINATION OF REVENUE SHARING CONTRACT BASE ON FOUR-LEVEL SUPPLY CHAIN** 1311  
*Yi DENG, Bi-xi ZHANG*
- 284-1160403 **DECISION MODEL AND ALGORITHM OF DISTRIBUTION OUTSOURCING OF DISTRIBUTION CENTRE FROM PERSPECTIVE OF ECONOMICAL DISTRIBUTION—AN EXPANDED STUDY ON VRP** 1315  
*Jin-cheng FANG, Shao-xiong WU, Qi-shan ZHANG*
- 285-1160342 **DELIVERY TIME ORIENTED COLLABORATIVE PRODUCTION BASED ON MULTI-AGENT** 1319  
*Mei-xian JIANG, Ding-zhong FENG, Le-yan ZHU, Guo-qiang PAN, Shou-song JIN*
- 286-1160034 **DYNAMIC PRICING BASED ON THE CUSTOMER'S PREFERENCE OF REMANUFACTURING PRODUCTS** 1324  
*Xue-hong FU, Guo-jun JI*
- 287-1160046 **EFFECTIVE COMPONENTS SOURCING MANAGEMENT; PERSPECTIVE OF EXPORT PROCESSING IN CHINA** 1330  
*Min-gu KANG, Xiao-bo WU, Paul HONG, Young-won PARK*
- 288-2990066 **EMPIRICAL ANALYSES OF RELATIONSHIPS BETWEEN EXTERNAL DRIVING FORCE AND ORGANIZATIONAL PERFORMANCE FOR THE ADOPTED GREEN SUPPLY CHAIN MANAGEMENT—AN EXAMPLE OF TAIWAN'S HYBRID ELECTRIC VEHICLES** 1335  
*M.L. Wang, M.L. Lin*
- 289-1160397 **EVALUATION OF SUPPLY CHAIN PARTNERSHIP BASED ON ROUGH SET THEORY** 1340



*Jun-qian CHANG,Guang CHENG,Chuan-long LUO,Xiao-fei MA*

- 290-1160379 **FORECAST OF SPARE PARTS INVENTORY RISK LEVEL BASED ON SUPPORT VECTOR MACHINE** 1344  
*Xiang-yu SU,Xiao-lin ZHOU,Yan MO*
- 291-1160237 **IMPROVEMENT RESEARCH ON VEHICLE ROUTING PROBLEM WITH SIMULTANEOUS DELIVERY AND PICKUP WITH TIME WINDOWS FOR BARRELED WATER** 1347  
*Zhen-hua LIU,Nai-liang LI,Xiao-wei MI,Bai-yu ZHANG,Hong-zhan MA*
- 292-2160029 **IMPROVING SUPPLY CHAIN EFFECTIVENESS THROUGH COLLABORATIVE PROJECT AND INFORMATION TECHNOLOGY GOVERNANCE** 1351  
*E. K. Chew,K. Niebecker*
- 293-5230010 **LOGISTICS SYSTEMS FUNCTION DEPLOYMENT MODEL FOR CONSTRUCTION PROJECT AND APPLICATION** 1356  
*Jiang SHEN,Man XU,Hao SUN*
- 294-3170010 **MULTI-DISTRIBUTION CENTER INVENTORY DEMAND FORECAST MODEL IN REGIONAL LOGISTICS NETWORK** 1360  
*Xi HUANG,Hui XIONG,An-quan ZOU,Hai-tao LI*
- 295-1160293 **MULTI-SINGLE INVENTORY CONTROL MODEL AND OPTIMIZATION OF SPARE PARTS BASED ON GROUP REPLACEMENT POLICY** 1364  
*Shu-min LI,Shu-dong SUN,Ning WANG,Shu-bin SI*
- 296-2160065 **ON CORRELATION AMONG VARIABLES IN DECISION-MAKING, CONSTRUCT FACTORS OF INVENTORY DECISION-MAKING AND MARKET PERFORMANCE-AN EMPIRICAL STUDY ON TAIWAN'S INSTANT NOODLES INDUSTRY** 1369  
*M.L. Wang,M.L. Lin*
- 297-2160031 **OPTIMAL GAS DISTRIBUTION NETWORK USING MINIMUM SPANNING TREE** 1374  
*I. Mahdavi,N. Mahdavi-Amiri,A. Makui,A. Mohajeri,R. Tafazzoli*
- 298-1160118 **PRICING STRATEGY ON SUPPLY CHAIN AND ITS ALGORITHM** 1378  
*Zhen-hua GAO,Xiao-ming XU*
- 299-1160024 **RESEARCH ON MODE SELECTION FOR DEVELOPING PORT LOGISTICS IN CHINA BASED ON ANALYTICAL HIERARCHY PROCESS— TAKING TIANJIN PORT LOGISTICS AS AN EXAMPLE** 1383  
*Jian-she LI,Xiao-li MIAO*
- 300-1160289 **RESEARCH ON RETURN SUPPLY CHAIN SUPERNETWORKS EQUIVALENCE WITH COMPUTATIONS** 1388  
*Hai-feng ZHAO,Rui-shen CHEN*
- 301-1160357 **RESEARCH ON REVERSE LOGISTICS NETWORK DESIGN FOR TELEVISION REMANUFACTURING BASED ON OPERATION** 1392

**RESEARCH METHOD AND SIMULATION***Yu-qiang SHI, Jun-jia WANG, Su-mei XIAO*

- 302-1160157 **RESEARCH ON SUPPLY MANAGEMENT IN HOSPITAL BASED ON VMI** 1395  
*Hui SHI*
- 303-1160179 **RESEARCH ON THE PROFITS DISTRIBUTION OF THE SUPPLY CHAIN USING SHAPELY VALUE METHOD** 1400  
*Ju-hong GAO, Yan-fei SHI*
- 304-1160108 **RESEARCH ON THE SLOTTING OPTIMIZATION OF AUTOMATED STEREOSCOPIC WAREHOUSE BASED ON DISCRETE PARTICLE SWARM OPTIMIZATION** 1404  
*Hao-ping LI, Zi-fan FANG, San-you JI*
- 305-5230008 **STUDY OF CIGARETTE LOGISTICS OPTIMIZATION BASED ON VALUE CHAIN ANALYSIS** 1408  
*Lian-zhong LI, Xiao-yong LUO*
- 306-5230035 **STUDY OF PASSENGER TRANSPORT PRICE RATIO BASED ON THE TRANSPORT SUPPLY CHAIN** 1412  
*Jian-guo LI, Li-ping FU, Hui-bin DU, Jun-yu YANG*
- 307-1160149 **STUDY ON COORDINATING THE SUPPLY CHAIN INVOLVING TPL UNDER RANDOM DEMAND** 1417  
*Jian-xin YOU, Shui-qin LAO, Wen-xiu HE*
- 308-1160243 **STUDY ON THE DEVELOPMENT OF PARTNERS ON ENTERPRISE OF SERVICE IN TOURISM** 1422  
*Mei LIU*
- 309-1160374 **SUPPLIER EVALUATION AND SELECTION UNDER THE CONTEXT OF REDUCING CARBON EMISSIONS ACROSS A SUPPLY CHAIN** 1426  
*Ying-hui LIN, Xiao-fang ZHAO, Xiao-min ZHAO*
- 310-1160329 **SUPPLIER RELATIONSHIP EVALUATION MODEL OF CONSTRUCTION ENTERPRISES BASED ON CMMI** 1430  
*Yun ZHANG, Ping LU, Dong-dong GAO, Yin-qiu SONG*
- 311-1160473 **THE 3-DEMENSIONAL DYNAMIC COMBINED EVALUATION METHOD AND ITS APPLICATION IN SUPPLIER SELECTION** 1435  
*Xue-jun WANG, Xiao-yang JIANG*
- 312-1160361 **THE COST-BENEFIT ANALYSIS MODEL OF REVERSE SUPPLY CHAIN** 1439  
*Jia LI, Jian LI*
- 313-1160453 **THE RESEARCH OF PROCUREMENT STRATEGIES FOR THE CHINESE HERBAL MEDICINE ENTERPRISE** 1443  
*Xiao HU, Wen-ying DING*
- 314-1160214 **THE RESEARCH ON THE CONSTITUTION OF FINANCIAL LOGISTICS MANAGEMENT SYSTEM** 1448

*Chen SHEN, Li-ming ZHAO, Yue LI*

- 315-1160060 **THE RETURN POLICY WITH TIME-LIMIT BASED ON CONSUMER INERTIA** 1453  
*Hong JIANG, Er-shi QI, Yan-fang HUO, Dao-jian YANG*
- 316-1160369 **THE STUDY ON DEVELOPMENT PROJECT OF MANUFACTURING LOGISTICS AT THE FACING HARBOR GATHER'S DISTRICT IN QINHUANGDAO** 1458  
*Li-hua XIONG, Yun-feng WANG*
- 317-1160259 **THE TRANSACTION COST-SAVING MODEL OF SUPPLY CHAIN** 1463  
*Qing-min YUAN, Xiu-kun ZHAO*
- 318-1160039 **VIRTUAL VALUE CHAIN AND COMPETITIVE ADVANTAGES IN THE CONTEXT OF E-COMMERCE** 1467  
*Lin LIU, Jin-Nan WU*
- 319-2170111 **A META-MODEL FOR ACTOR-ORIENTED, PERSON-CENTERED SIMULATION FOR THE MANAGEMENT OF DEVELOPMENT PROJECTS** 1473  
*S. Duckwitz, S. Tackenberg, S. Karahancer, C. M. Schlick*
- 320-2170102 **A NEW SOM BATCHING HEURISTIC FOR ORDER PICKING SYSTEMS** 1478  
*Ling-Feng Hsieh, Chia-Yun Fan*
- 321-1170459 **AN ANALYSIS ON THE SYMBIOSIS CAPABILITY OF SPORTS INDUSTRY IN CHINA** 1482  
*Xiao-han HU, Zhi-mei ZHANG*
- 322-1170055 **AN APPRAISEMENT MODEL OF MEAT PRODUCTS SAFETY MONITORING SYSTEM** 1487  
*An-quan ZOU, Jin-liang LI, En-yong DAI*
- 323-1170480 **AN EMPIRICAL RESEARCH ON THE STORAGE RESOURCES ALLOCATION OF GROUP ENTERPRISE** 1492  
*Xin-bao LIU, Zhi-yong ZHANG, Jing LI, Shan-lin YANG*
- 324-1990460 **APPLICATION OF DISCRETE ELEMENT METHOD IN STABILITY ANALYSIS FOR ROCK SLOPE BASED ON STRENGTH REDUCTION** 1497  
*Xian-qi ZHOU, Hui-man CHEN*
- 325-1170097 **APPLICATION STUDY OF GENETIC WEIGHTED MATTER ELEMENT MODEL ON THE EVALUATION OF WATER RESOURCES SOCIAL REPRODUCIBLE ABILITY ON CITY** 1502  
*Juan WU*
- 326-1170351 **COMPARISON BETWEEN AON AND AOA NETWORK DIAGRAMS** 1507  
*Zhi-yong YANG, Zhuo-fu WANG*
- 327-2170067 **COMPARISON STUDY OF AN IN-HOUSE DEVELOPED TOOL AND COMMERCIAL SOFTWARE FOR ANN MODELING** 1510  
*J. Smrekar, M. Assadi*

328-1170086	<b>DYNAMIC MODELING AND CHARACTERISTICS ANALYSIS OF THE TOROIDAL DRIVE BASED ON MULTIBODY OF MESHING ROLLERS</b> <i>Rong YANG,Li-gang YAO,Guo-wu WEI,J S DAI</i>	1517
329-2170083	<b>DYNAMIC VEHICLE ALLOCATION IN AUTOMATED MATERIAL HANDLING SYSTEM</b> <i>James T. Lin,Kuo-Hao Chang,Chao-Jung Huang</i>	1523
330-2170110	<b>EVALUATION OF A GENETIC ALGORITHM BASED SERVICE PRODUCTIVITY OPTIMIZATION</b> <i>S. Tackenberg,S. Rieder,S. Duckwitz,C. M. Schlick</i>	1528
331-1990376	<b>FEASIBILITY ANALYSIS OF CARBON TAXES OF CHINA BASED ON ENVIRONMENTAL KUZNETS CURVE (EKC)</b> <i>Nan-xi XU,Jian LI</i>	1534
332-1170467	<b>GROWTH EQUILIBRIUM ANALYSIS OF ENTERPRISE ECOLOGICAL BENEFITS BASED ON ECO-INDUSTRIAL CHAIN</b> <i>Bing-chun LIU,Zhen-zhen HAO</i>	1538
333-1170023	<b>IMPROVED GENETIC ALGORITHM FOR SOLVING THE FUZZY MULTIOBJECTIVE JOB SHOP PROBLEM</b> <i>He-ping WANG,Lei SHI</i>	1542
334-2170115	<b>INTEGRATED SIMULATION MODELING FOR BUSINESS PROCESS MANAGEMENT:A CASE STUDY IN THE MACHINE MANUFACTURING INDUSTRY</b> <i>Yifei Tan</i>	1546
335-1170003	<b>MODELING FOR DESIGN CHAIN OPTIMIZATION BASED ON INFORMATION FLOW</b> <i>Yong-hui GUO</i>	1551
336-2170041	<b>MODELING OF JUICE PRODUCTION LINE USING SIMULATION</b> <i>Ateekh-Ur-Rehman,Khalid Al-Marwan,Khalid Al-Otaibi,Mohammad Al-Mubarak</i>	1555
337-1170136	<b>PSO-BASED OPTIMAL OPERATION STRATEGY FOR ENERGY SAVING CONTROL OF A TRAIN</b> <i>Hui HU,Yin-ping FU,Chao HU</i>	1560
338-1170490	<b>RESEARCH OF UNIDIRECTIONAL AUTOMATED GUIDED VEHICLES SYSTEM BASED ON SIMULATION</b> <i>Yi-fei TAO,Jun-ruo CHEN,Mei-hong LIU,Xian-xi LIU,Ya-li FU</i>	1564
339-1170492	<b>RESEARCH ON APPLICATION OF SIMULATION TECHNOLOGY IN CONTAINER SHIP STOWAGE PROBLEM OF PORT LOGISTICS</b> <i>Xu-yan SONG,Xiao-chen DOU,Yuan REN,Xiao LIU</i>	1568
340-5230001	<b>RESEARCH ON ECO-CITY RESIDENTIAL ENVIRONMENT INDEX SYSTEM AND COMPREHENSIVE ASSESSMENT —A CASE STUDY ON SINO-SINGAPORE TIANJIN ECO-CITY</b> <i>Feng-ying YAN,Huai-gang LI</i>	1573

341-1170303	<b>RESEARCH ON PANORAMIC TIME-SPACE-ORIENTED ENTERPRISE MODELING INTEGRATION ARCHITECTURE</b> <i>Xu-zhu ZHANG,Xin-zhi ZHAO,Xin CAI</i>	1578
342-1990290	<b>RESEARCH ON THE EXTRACTION OF COMPETENCY ELEMENTS BASED UPON THE BEI &amp; AHP METHOD</b> <i>Jian-she LI,Li-li MA</i>	1582
343-1170388	<b>SMES CLUSTER RESOURCE INTEGRATION CAPABILITY CLASSIFICATION BASED ON SOM NEURAL NETWORK</b> <i>Congdong LI,Quan ZHOU,Yongli TANG</i>	1587
344-1170313	<b>STUDY OF MODELING AND SIMULATION OF FLEXSIM-BASED INVENTORY MANAGEMENT SYSTEM</b> <i>Xiao-yun JIANG,Pin CHEN,Rong ZHENG</i>	1591
345-1170378	<b>STUDY ON THE AGILE MODELING TECHNOLOGY FOR MANUFACTURING SYSTEM SIMULATION</b> <i>Xiao-yong WANG,Pei-huang LOU,Dun-bing TANG,Ting-jie BAO,Jiu-jun ZHEN</i>	1595
346-1170468	<b>STUDY ON THE DYNAMIC CHARACTERISTICS OF BBV WEIGHTED NETWORK</b> <i>Jin-li GUO,Ya-li JI,Chao FAN</i>	1600
347-5230025	<b>THE DESIGN OF COLLEGE STUDENT APARTMENT BASED ON ERGONOMICS</b> <i>Wei LIU,Yu-han WU</i>	1605
348-1170173	<b>THE EMULATION ANALYSIS OF PRODUCTION, CIRCULATION AND DUAL STRUCTURE MODEL</b> <i>Xing-wei MA</i>	1610
349-5230004	<b>THE IMPROVED BCC RTS METHOD IN DATA ENVELOPMENT ANALYSIS</b> <i>Wei-Feng LIN,Bao-cheng ZHANG</i>	1613
350-5230011	<b>THE MODELING AND OPTIMIZATION OF PROCESS OF HEART FIRST AID BASED ON GENERATED STOCHASTIC PETRI NETS</b> <i>Man XU,Jiang SHEN,Guang-cai DING,Yu DU</i>	1618
351-2990026	<b>THE STUDY OF INFLUENCE OF FENCING HANDLE TYPE AND HANDLE ANGLE ON WRIST FOR A FENCING GAME</b> <i>F. L. Lin,C. L. Chang,Y. T. Jou,H. C. Pan,T. Y. Hsu</i>	1624
352-5230022	<b>UNCERTAINTY ANALYSIS FOR PUMP TEST BASED ON MAXIMUM ENTROPY AND MONTE CARLO METHOD</b> <i>Xin-min ZHANG,Huan-zhen ZHANG</i>	1628
353-1170335	<b>WATERSHED POLLUTION CONTROL PLANS EFFECT ASSESSMENT: COUNTERMEASURE ADJUSTMENT MODELING AND SIMULATION</b> <i>Ya-juan YU,Kai HUANG,Shu-xia YU,Long-hao YE,Yan CHEN,Huai-cheng GUO</i>	1632

354-1180168	<b>AN ANALYSIS OF KNOWLEDGE SHARING WITHIN ORGANIZATION BASED ON THE PSYCHOLOGICAL CONTRACT</b> <i>Rui MIN,Jin-sheng HE,Jing GAN</i>	1637
355-1180359	<b>AN ANALYTICAL CRM BASED ON CUSTOMER KNOWLEDGE</b> <i>Ling-bo KONG,Kai-chao YU,Kai-hu HOU</i>	1641
356-1180163	<b>AN EMPIRICAL STUDY OF THE KNOWLEDGE WORK EFFICIENCY UNDER DYNAMIC NETWORK ENVIRONMENT</b> <i>Yi LIAO,Shu-ping YI</i>	1646
357-2180077	<b>ANALYTIC HIERARCHY PROCESS AND ZHOU-YI TAGGING METHOD FOR KNOWLEDGE MAP NAVIGATION</b> <i>Chao-Chi Chan,Shuen-Ren Yu</i>	1652
358-1180017	<b>APPLICATION OF PARTIAL LEAST-SQUARES REGRESSION TO OIL ATOMIC EMITTING SPECTRUM DATA OF A TYPE DIESEL ENGINE</b> <i>Yun-tao LIU,Hong-xiang TIAN,Yun-ling SUN,Wen PEI</i>	1657
359-1180506	<b>COEVOLUTION OF CULTURAL EMBEDDEDNESS AND INDUSTRIAL CLUSTER'S DEVELOPMENT:CASE STUDY OF SHAOXING COUNTY TEXTILE CLUSTER</b> <i>Jiang WEI,Yong-sheng XIANG</i>	1661
360-5230018	<b>IMPACT OF INVESTMENT AND TECHNOLOGY STOCK ON TOTAL PRODUCTION: AN EMPIRICAL STUDY OF 35 CITIES IN CHINA</b> <i>Gui-zhong ZHENG,Jin-lan LIU</i>	1666
361-2180085	<b>IMPACT OF TECHNOLOGY-MEDIATED LEARNING ON OUTCOMES: STUDENTS' PERSPECTIVE</b> <i>Mayuri Duggirala,L.Prakash Sai</i>	1670
362-1180340	<b>INDUSTRIAL VALUE CHAIN MODELING AND TECHNOLOGY ELEMENTS ANALYSIS BASED ON IDEF0</b> <i>Zheng WANG,Yong-li TANG,Cong-dong LI</i>	1675
363-1180236	<b>INVESTIGATION AND ANALYSIS OF ORGANIZATIONAL CAPITAL AND TECHNOLOGY INNOVATION IN CHINESE ENTERPRISES</b> <i>Jun LIN,Jie SHANG,Jie HE</i>	1679
364-1180438	<b>KNOWLEDGE MANAGEMENT AND THE FORMATION OF ENTERPRISE'S CORE COMPETENCE</b> <i>Xin ZHU</i>	1684
365-4230003	<b>LINKAGE BETWEEN CONTINUAL IMPROVEMENT AND KNOWLEDGE-BASED VIEW THEORY</b> <i>P. Punnakitikashem,N. Somsuk,M.W. McLean,T. Laosirihongthong</i>	1689
366-1180140	<b>PROBLEMS AND COUNTERMEASURES IN CONSTRUCTING KNOWLEDGE CREATION MODE OF MULTINATIONAL CORPORATIONS</b> <i>Heng CHEN,Ying-ying DING,Wei-hong CHEN</i>	1695

367-1180069	<b>R&amp;D INVESTMENT VALUATION IN GROWTH OPTION UNDER INCOMPLETE INFORMATION</b> <i>Xi ZHAO,Xiao-ying LU</i>	1699
368-1180098	<b>RESEARCH ON IMPACT OF KNOWLEDGE MANAGEMENT CAPABILITY TO TECHNOLOGY INNOVATION PERFORMANCE</b> <i>Yan-rong WANG,Qiao-ling XU</i>	1704
369-1180488	<b>RESEARCH ON KNOWLEDGE MANAGEMENT OF E-MAINTENANCE ALLIANCE</b> <i>Xiao-hui CHEN,Jun-tao DENG</i>	1709
370-1180021	<b>RESEARCH ON THE IE INTEGRATED INNOVATION IN CHINA'S LIGHT INDUSTRY ENTERPRISES</b> <i>Jun-yi SHU,Liang LIU</i>	1713
371-1180219	<b>RESEARCH ON THE RELATIONSHIP BETWEEN R&amp;D INPUT AND PATENT OUTPUT IN HEBEI PROVINCE</b> <i>Wei-hong LI,Bao-min HU</i>	1718
372-1180285	<b>STUDY OF ENTREPRENEURSHIP ENTERPRISES CLUSTER'S COLLABORATIVE INNOVATION MECHANISM BASED ON ENDOGENOUS COLLECTIVE ACTION PERSPECTIVE</b> <i>Chao LI,Jia YUAN</i>	1723
373-1180350	<b>STUDY ON HIGH-TECH ZONE ENTERPRISE INCUBATOR EVALUATION BASED ON GREY RELATIONAL MODEL</b> <i>Xiao-hui QIAO,Yi-hong YUE,Jin-feng WANG,Xin WANG</i>	1727
374-1180327	<b>STUDY ON SYSTEM OF RESEARCH TEAM COLLABORATIVE ECO-EFFICIENCY IN YUNNAN BIOLOGICAL INDUSTRY</b> <i>Wen-cai YANG,Rui-jie WANG,Shang RU,Li-yan LI</i>	1732
375-1180192	<b>STUDY ON THE INDUSTRY-UNIVERSITY-RESEARCH COOPERATION SYSTEM: FROM THE ANGLE OF LABOR DIVISION AND COOPERATION</b> <i>Ying SHEN,Li-jian ZHANG,Xiao-li GUO</i>	1736
376-1180095	<b>TECHNOLOGICAL INNOVATION PATH BASED ON NICHE STRATEGY:THE CASE OF BEIFA IN CHINA</b> <i>Jun CHEN,Hai-ting HUANG,Yue-jin WU,Ju LI,Yuan-yuan KONG</i>	1741
377-1180227	<b>THE EFFECT OF STRATEGIC ORIENTATIONS AND KNOWLEDGE ACQUISITION ON PRODUCT INNOVATION-- THE MODERATING EFFECT OF CONTROL MECHANISMS</b> <i>Dong YANG,Hua LI</i>	1746
378-1180096	<b>THE INFLUENTIAL EFFECT OF THE STRENGTH OF INTERFIRM NETWORK ON NEW PRODUCT DEVELOPMENT</b> <i>Xin-min PENG,Heng LIU,Ya-ling SUN,Jun CHEN</i>	1750

379-1180291	<b>THE PROJECT FAILURE KNOWLEDGE REPRESENTATION METHOD BASED ON FCTA</b> <i>Hong-zheng WANG,Xing PAN,Guo-sheng LI</i>	1755
380-1180190	<b>THE RELATIONSHIP MANAGEMENT OF INFORMATION SYSTEM OUTSOURCING : A SERVICE PROVIDER PERSPECTIVE</b> <i>Hai-lian HOU,Ling MA</i>	1760
381-1180496	<b>THE TECHNOLOGICAL CATCHING-UP RESEARCH BASED ON SPATIAL KNOWLEDGE SPILLOVERS</b> <i>Mei-guang ZHU</i>	1764
382-1180211	<b>UPGRADING CORE COMPETENCE OF HIGH-TECH ENTERPRISES—CONSTRUCTING TECHNO-KNOWLEDGEMANAGEMENT SYSTEMMODE</b> <i>Hua CHEN,Fang-ming WANG,Su-ping YE</i>	1768
383-2180108	<b>USING GRA AND MPI TO ASSESS OF INTELLECTUAL CAPITAL MANAGEMENT FOR TAIWANESE PHARMACEUTICAL INDUSTRY</b> <i>Chia-Nan Wang,Yao-Lang Chang,Qi-Heng Huang</i>	1773
384-1180336	<b>VALUE DISTRIBUTION IN INDUSTRY-UNIVERSITY NETWORKS BASED ON THE EQUILIBRIUM BETWEEN THE COMMON AND PRIVATE BENEFITS</b> <i>Yong-li TANG,Ya-ping ZHAO,Xin-yue HU</i>	1777
385-1990414	<b>“CARBON NEUTRAL”: A NEW APPROACH FOR ENTERPRISES TO UNDERTAKE ENVIRONMENT RESPONSIBILITIES</b> <i>Feng-wen HUANG,Ai-ping JIANG,Chun-hui ZHU</i>	1781
386-1190402	<b>A NEW VIEW FIELD OF TECHNOLOGICAL INNOVATION-----A THOUGHT OF FADDY INNOVATION</b> <i>He-ping WANG,Zhi-guo WANG</i>	1784
387-1990458	<b>ANALYSIS OF THE DOMINANT EFFECT OF TIANJIN ENERGY INTENSITY CHANGES BASED ON INDEX DECOMPOSITION MODEL</b> <i>Chun-fa LI,Hong-ling TAN,Lan-ying WANG</i>	1789
388-1990504	<b>BASED ON INTER-ENTERPRISE COLLABORATIVE PRODUCT INNOVATION</b> <i>You-yuan WANG,Fa-lin WANG,Shu-ying LIU,Tao DU</i>	1794
389-1990080	<b>CALCULATION AND ANALYSIS OF CARBON EMISSIONS FROM ENERGY CONSUMPTION: CASE IN JINAN CITY</b> <i>Guo-hua WU,Chun-ling ZHANG</i>	1799
390-4990006	<b>EFFECT OF ORGANIZATIONAL JUSTICE OVER AFFECTIVE COMMITMENT AND THE ROLE OF MARITAL STATUS</b> <i>Mohammad Moinul Haque,Mohammed Ali Arhsad Chowdhury,Mostafa Ali</i>	1805
391-2990020	<b>GUIDED GRIP FORCE OF THE DOMINANT HAND FOR MALE SUBJECTS</b>	1815



*Kai Way Li, Tsung-Yu Pei, Shang Wei Tseng*

- 392-1990090 **HSE INTEGRATION PROCEDURE MANAGEMENT DURING THE CONSTRUCTION OF THE PIPE ENGINEERING** 1819  
*Qing-xuan GAO, Cheng GUO, Shu-ping YI, Jian LI, Zhi-jiang TAO*
- 393-1990053 **INSTITUTIONAL HOLDING, IDIOSYNCRATIC VOLATILITY AND INFORMATION FLOW** 1823  
*Zhong-guo LIN, Li-yan HAN*
- 394-1990264 **MATERIAL FLOW ANALYSIS ON VENOUS INDUSTRIAL PARK- TAKING TIANJIN ZIYA CIRCULAR ECONOMY PARK FOR EXAMPLE** 1828  
*Yan TANG, Jian LI*
- 395-1990032 **MODE OF CONSTRUCTING: THE UNIFICATION OF THE SCIENTIFIC CRITERION AND THE LEGAL SPECIFICATION** 1832  
*Xian-fang GUO, Yan-fang LI*
- 396-1990266 **RESEARCH OF REGIONAL WATER UTILIZATION STRATEGY BASED ON WATER FOOTPRINT THEORY** 1837  
*Ji-hui ZHANG, Jian LI, Ji-xiang ZHANG*
- 397-1990328 **RESEARCH OF SUSTAINABLE DEVELOPMENT OF CHINA'S IRON AND STEEL INDUSTRY CDM PROJECT** 1841  
*Bo ZHANG, Hong-bo CHEN*
- 398-1990115 **RESEARCH ON SELECTING THE CREDIT EVALUATION INDEXES TO THE PROJECT MANAGERS IN CONSTRUCTION ENTERPRISES** 1846  
*Ji-de SUN, Yi-nan ZHU, Xin-fu XU*
- 399-1990412 **STUDY ON CONSTRUCTION OF CHINESE CARBON TRADING SYSTEM IN POST-CDM ERA** 1851  
*Chun-hui ZHU, Feng-wen HUANG, Ai-ping JIANG*
- 400-1990203 **THE ANALYSIS OF ECOLOGICAL FOOTPRINT OF TIANJIN** 1856  
*Qing-min YUAN, Mei-lin CHEN*
- 401-1990059 **THE EMPIRICAL ANALYSIS OF THE EFFECT OF CHINESE INDUSTRIAL PRODUCTS EXPORT TRADE ON THE ENVIRONMENT** 1860  
*Xiao-fen ZHANG, Qiang LIU*
- 402-1990345 **THE OPTIMAL LOCATION OF DRY PORT: A CASE STUDY OF THE HINTERLAND OF WESTERN SIDE OF THE TAIWAN STRAITS PORT GROUP** 1864  
*Ying WANG, Jian WANG*
- 403-1990154 **THE VALUE-RELEVANCE OF FUNDAMENTALS: EVIDENCE FROM LISTED AGRIBUSINESS FIRMS IN CHINA** 1869  
*Xin-ji-le-tu YANG, Del-ger BAT, Wei-hong HAN, Yan-li YANG*
- 404-1990213 **WORK SUPPORT AND TEAM CREATIVITY: THE MEDIATING EFFECT OF TEAM PSYCHOLOGICAL SAFETY** 1873

*Duan-xu WANG, Yan HONG*

- 405-2170120 **A FAST METHOD IN RECONSTRUCTION 3D COMPUTED TOMOGRAPHY MEDICAL IMAGES** 1877  
*Wei-Hua Andrew Wang, Man-Ching Lin*
- 406-2150092 **A PACES MODEL FOR B2B PROCESS SERVICIZING** 1882  
*Jr-Jung Lyu, Han-Chi Fu*
- 407-4230008 **ADOPTION AND ASSIMILATION OF TQM STRATEGY FROM PARENT COMPANY TO OVERSEAS PLANT IN THAILAND** 1887  
*T. Kiatcharoenpol, P. Punnakitikashem, T. Laosirihongthong*
- 408-2060045 **ASSESSMENT OF THE REASONS FOR FAILURE AND CRITICAL SUCCESS FACTORS IMPLEMENTING CI PROJECTS: CASE STUDY RESULTS FROM THE SOUTH AFRICAN APPAREL AND MANUFACTURING INDUSTRY** 1891  
*D.J. Kruger, K. Ramdass*
- 409-4230013 **BUSINESS SUCCESS THROUGH BUSINESS EXCELLENCE? CURRENT STATUS, CONCEPTS AND PERSPECTIVES** 1898  
*Josef Herget*
- 410-2990117 **CONSTRUCTING 3D HUMAN MODEL FROM 2D IMAGES** 1902  
*Yueh-Ling Lin, Mao-Jiun J. Wang*
- 411-2160090 **SUPPLY CHAIN MANAGEMENT IN RETAIL USING RADIO FREQUENCY IDENTIFICATION (RFID)** 1907  
*RANJANI RAVI*
- 412-2990042 **PARTNERSHIPS AMONG DIFFERENT PARTICIPANTS IN CONSTRUCTION INDUSTRY OF TAIWAN: CRITICAL SUCCESS AND FAILURE FACTORS** 1912  
*Tung-Tsan Chen*
- 413-2070124 **PROMOTING ENTERTAINMENT ARTISTS USING DATA MINING AND LIFECYCLE FORECASTING TECHNIQUES** 1918  
*A.J.C. Trappey, C.V. Trappey, Ai-Che Chang, M.-H. Chao, H.-C. Hsieh, F.-L. Lee*
- 414-2180100 **RESEARCH ON FINANCIAL MODULE OF INVESTMENT BENEFIT EVALUATION SYSTEM BASED ON THERMOELECTRICITY ENTERPRISE** 1922  
*Chang Qing, Li Bao, Ji Gedi*
- 415-4230022 **SIMULATION MODELING AND NON-AUTOMATED CROSS-DOCKING CENTER** 1928  
*Yan Liu*
- 416-4230021 **SUPPOSED DEVELOPMENT OF THE SYSTEM OF MANAGEMENT IN INDUSTRIAL COMPANIES IN THE 3RD MILLENNIUM** 1933  
*Josef Novák*

417-2060075	<b>VIRTUAL INTEGRATION AS AN APPROACH TO ENGENDER PRODUCT INNOVATION AND ACCELERATE PRODUCT DEVELOPMENT TIME: A LITERATURE ANALYSIS</b>	<b>1940</b>
	<i>G. Dadriyansyah, A. Ibrahim, M.G. Hassan</i>	
418-4230001	<b>FUNDAMENTAL BRANCHES IN INVESTIGATION OF LINEAR FUNCTIONAL DIFFERENTIAL EQUATIONS</b>	<b>1945</b>
	<i>G. G. Islamov</i>	
419-4230024	<b>WHY DO ORGANIZATIONS KEEP FUNDING PROJECTS IN THE FACE OF REPEATED FAILURE?</b>	<b>1950</b>
	<i>Ofer Zwikael</i>	

Author Index