2024 5th International Conference on Information Science, Parallel and Distributed Systems (ISPDS 2024)

Guangzhou, China 31 May - 2 June 2024



IEEE Catalog Number: CFP24Y85-POD ISBN:

979-8-3503-5272-6

Copyright © 2024 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

 IEEE Catalog Number:
 CFP24Y85-POD

 ISBN (Print-On-Demand):
 979-8-3503-5272-6

 ISBN (Online):
 979-8-3503-5271-9

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400

Fax: (845) 758-2633

E-mail: curran@proceedings.com Web: www.proceedings.com



Table of Contents

Knowledge Graph Construction Techniques for Military Intelligence	1
Peng Yan, Guoming Cai, Bowen Xie, Jingyao Zhang	1
Accountable Attribute-Based Matching Encryption for The Internet of Vehicles	8
Hongyu Wang, Chenhao Wang, Aotian Cai, Jing Han, Yining Li	0
A Strategy-Proof Combinatorial Double Auction Mechanism for Cloud Resource Allocation	15
Shuangling Li, Wenhao Zang, Xutao Yang, Xing He	13
Classification Assistance Based Image Inpainting for BR code	22
Yuting Yang, Jinfeng Li, Naifeng Liang, Man Li, Xiangyun Cai, Ziyao Zheng	22
Research on Brain Tumor Segmentation Using a 3D U-Net with Deformable Convolution	27
Yunze He, Tongyuan Huang, Qiangjiang Yu, Weifeng Zhang	21
Research on Penetrative Security Pathways in Financial Regulation Based on Blockchain	34
Yali Wen, Jie Li, Pu Jian, Yansheng Chen	34
The Design and Realization of Intelligent Question Answering Technology in Military Field	44
Jianhong Feng, Qinghua Xu, Jiangna Guo, Haoyang Lv, Yao He, Naiyu Tian	44
Medical Glass Bottle Mouth Defect Detection Method Based on Improved YOLOv5s	50
Shida Xu, Zhenglin Yu, Di Wu, Dianming Li	30
Infant Speech Emotion Recognition Based on Channel Attention Mechanism with ResNet-BiLSTM	54
Xianghao Shen, Bing Lv, Taihua Liu, Qianxing Cheng	34
A Safe Transfer Learning Approach Inspired by Desensitization Therapy	58
Qing Huang, Chong Zhao, Ziqi Liu, Tao Yang	50
Emotional Fine-tuning Model for Blended Teaching	62
Junjie Zhou, Huibin Zhang, Zhaoyu Shou, Fang Pan	02
A Robust Visual Localization Method with 4 DOF in the Case of Planar Motion	68
Binxin Zhang	00
Enhance Image-to-Image Generation with LLaVA- generated Prompts	77
Zhicheng Ding, Panfeng Li, Qikai Yang, Siyang Li	/ /
Investigating the Label-flipping Attacks Impact in Federated Learning	82
Jiaxin Ji	02
Food and Herbals - Diseases and Symptoms Relation Extraction Method based on BERT	87
Lei Zhao, Li Han, Chengxiu Li, Ling Kang, Quan Guo	07
Research on Automated Construction and Extraction Methods for Automotive Information Security Test Cases Based on Knowledge Graphs	93
Tianling Liu, Zhen Guo, Yuqiao Ning, Mingming Yu, Qi Yu, Shiwen Shen	
Low Light Image Enhancement Based on a Pyramid Diffusion Model	98
Xiang Li, Chunling Liu, Hui Cheng	90
Improvements based on Adaptive Monte Carlo Localization	103
Wei Huang, Jiangnan Yuan	103
Visual Feature Transfer in Reinforcement Learning: Robot Control Using Raw Images	107
Yi Wang, Ximing Wang, Lin Zhou, Miao Wu, Zijun Lu, Qiufang Lian	10/

An Adaptive Information Presentation Method Based on Knowledge Graph and Context	111
Yicai Wang	111
An Enhanced Encoder-Decoder Network Architecture for Reducing Information Loss in Image Semantic Segmentation	116
Zijun Gao, Qi Wang, Taiyuan Mei, Xiaohan Cheng, Yun Zi, Haowei Yang	
Enhancing Both Generalization and Personalization in Personalized Federated Learning via Global and Local Knowledge Distillation	121
Kunyu Liu	
An Iot Trust Analysis Method for Frequency Modulation Transactions of West-to-East Power Transmission Units	126
Xiangfeng Zhou	
Optimization of C-V2X Mode 4 Resource Scheduling Protocol Based on CAM Generation Frequency	132
Yalong Wang, Zufang Dou	132
Cluster-Based Two-Stage Client Selection Strategy for Personalized Federated Learning	136
Ziwen Huang	150
Heterogeneous Network Embedding Method Based on Hyperbolic Space	140
Jie Yang, Yu Wu	140
Multi-feature Fusion Malicious PDF Detection Based on CBAM	148
Youhe Wang, Yi Sun, Qi Gao, Shikai Sun	140
Deep Reinforcement Learning for Optimizing Energy Efficiency in STAR-RIS Assisted Communication Networks	156
Jiaqi Xu	
A Electric Vehicle Reducer Bearing Fault Diagnosis Method Based on Space-Time Aware Convolution and Transformer Structure	163
Weilin Li, Ting Liu, Yangming Jiang, Feng Chen	
Research on Network Intrusion Detection Technology Based on Honeypot Fangfang Dang, Lijing Yan, Ying Yang, Shuai Li, Liu Han	171
Research on the Application of Natural Language Processing Technology in Medicine Patent Retrieval	176
Lan Tu, Shuojun Lv, Hui Shi	
Early Detection and Intervention of Alzheimer's disease Based on Game APP	182
Yingjie Zhou, Cuiyun Gao, Xing Zhang, Wanli Zhang, Shujin Wan, Yan Liu	102
Research on Trust Evaluation Model for Vehicle-to-Grid Interaction Based on Zero Trust Architecture	189
Nankai Zhou, Shenglong Ji, Qingmei Mao	
Infrared and Visible Image Fusion Based on Contrast Enhancement and Multi-scale Edge-preserving Decomposition	198
Haoran Zhu, Wenying Zhang	
Research and Suggestions for Evaluation Metrics of On-board Video Desensitization	203
Xiaolong Huang, Te Hu, Haojie Ji, Yupeng Chen, Wangdong Lu, Peng He, Guowei Sun, Jingyan Wang	203
Health-Aware Contrastive Learning for Recipe Recommendation Suzhi Zhang, Xuezheng Shi, Gaozhan Li, Luyang Liu	210

Low Carbon Scheduling of Thermal Power Unit Thermal Storage Capacity Based on Particle Swarm Optimization	215
Wenbin Cao, Mingkai Wang, Bo Han, Qi Chai, Hongtao Li, Ying Liu	
WHW: An Efficient Data Organization Method for Fine-tuning Large Language Models	221
Lubao Wang, Huaqi Zhang, Haiming Shao, Mingxuan Wu, Wei Ren	221
A Simulation Method for Industrial Control Honeynet Based on Time Series Prediction	
Tianqi Jiang, Yu Yao, Chao Xu, Wei Yang, Xiaoming Zhou, Miao He, Wenjie Zhang, Qianyi Wang, Meng Meng, Rui Wang	225
FLMP: Optimizing Training Efficiency of Federated Learning Using Model Pruning with Layer Selection	229
Yuhang Zhou, Yangguang Cui, Wenfen Shen, Weiting Hu	
FedLAQ: Adaptive Quantization with Layer-wise Bucketing for Communication-efficient Federated Learning	234
Yuhang Zhou, Wenfeng Shen	
Multi-modal Big Data Security Fusion Method Based on Privacy ASE Encryption Algorithm and Width Learning	239
Xiaoying Tao	
Verifiable Federated Learning Based on Data Service Quality	243
Hongda Xu, Yunxia Feng, Kang Xie	273
Research on Large-scale Data Anomaly Detection based on Deep Learning	249
Gancheng Zhuang	21)
Research on Point Cloud Data Processing in Multiple Scenarios	253
Jinkui Huang, Xiangyao Ma, Jingyuan Wang, Jianhua Li	200
Cross-border Data Security Risk Analysis and Development Suggestions of the Protection Technologies for Intelligent Connected Vehicles	257
Xiaolong Huang, Chongshi Xin, Haojie Ji, Wangdong Lu, Peng He, Yupeng Chen	
Deception Detection from Linguistic and Physiological Data Streams Using Bimodal Convolutional Neural Networks	263
Panfeng Li, Mohamed Abouelenien, Rada Mihalcea, Zhicheng Ding, Qikai Yang, Yiming Zhou	
Urban Rail Transit Passenger Flow Prediction Based on Data Mining	268
Jie Meng, Hongshu Yan, Jia Wang, Xuebin Ren	200
Blockchain-based Federated Learning Data Sharing Model	272
Kang Xie, Yunxia Feng, Hongda Xu, Zekun Han	2,2
Generation Method of Turbine Blade Surface Model Based on Multi-Slice CT Data Fusion Chaojun Xue, Wenguang Ye, Yunyong Cheng, Wenmiao Zhang	278
Research on Driver Facial Fatigue Detection Based on Yolov8 Model	
Chang Zhou, Yang Zhao, Shaobo Liu, Yi Zhao, Xingchen Li, Chiyu Cheng	282
Predict Click-Through Rates with Deep Interest Network Model in E-commerce Advertising	
Chang Zhou, Yang Zhao, Yuelin Zou, Jin Cao, Wenhan Fan, Yi Zhao, Chiyu Cheng	286
Anomaly Monitoring of Hydropower Units under Complex Conditions	
Siqi Chen, Hongteng Wang, Liyong Ma	290
Construction and Application of Knowledge Graph for Oil and Gas Pipeline Accidents Based on Graph Database	295
Junqu Chen, Yingchun Ye, Lumeng Jiang, Yuanliang Jiang	_,,

Research on Intelligent Enhancement Methods for Speech Recognition Text Data	300
Yvfei Zhu	300
Improving Carbon Emission Predictions with NLP and LSTM Integration	304
Shuang Guo, Junfei Chen	304
ADWT : Effective Air Quality Prediction Via Discrete Wavelet Transform and Attention based Neural Networks	309
Shuaixiang Shi	
Research on Dynamic Protection Technology of Network Security Spatial Data Assets Based on Neural Networks	313
Liang Meng, Chunzhi Meng, Mingfei Zeng, Lina Chen	
A Columnar Storage Cone Search Method for Massive Astronomical Data	319
Yuhai Liu	317
Bayesian Probability Intelligent Forecasting Model Based on Rainfall during Flood Season	323
Peng Zeng, Wei Zhang, Yangjun Zhou, Guohui Wei	323
Research on Fine-Grained Image Classification Based on Data Enhancement and Attention Mechanism	329
Haitao Xin, Qilu Jiang	
Stator Winding Temperature Detection Method of High Voltage Motor Based on All-phase FFT	335
Guihua Zou	333
Lightweight YOLOv8 Model for Weed Detection	339
Weijie Wang, Xiang Li	337
Electricity Price Prediction Based on QPSO-CNN-LSTM in the Spot Market Environment	343
Li Gong, Jing Fu, Jinting Sun, Hongjuan Tang, Shuaixuan Gu, Fengqiao Wang	J T J
Soldier Detection Based on Deep Learning and Attention Mechanism	347
Jianan Lin, Zhenglin Zhang	347
Feature Fusion-Based Detection of SQL Injection and XSS Attacks	351
Yinfan Guan, Wenrui Zhou, Huiling Wang, Ling Lin	331
Prediction of Subgrade Settlement of High-speed Railway Based on BP Neural Network Optimized by Crested Porcupine	356
Quanpeng He, Shaoyuan Li	
Advanced Battery Defect Detection Using VisionMaster: A Deep Learning Approach to Enhance Accuracy and Efficiency	360
Xiaoyan Zhang, Jingpeng Hu	
Research on Large-Area Power Grid Load Forecasting Model under Major Weather Events Yifan Zhou, Qingyang Li, Haisong Zhou, Gaojun Liu	369
Research on Intelligent Data Operation and Maintenance Management Scheme*	274
Jinxing Huang, Liya Xi, Haiwei Zhang, Xuan Ke, Jiaqi Kang, Siyu Liu	374
Monitoring and Optimization of Railway Switch Machine Based on Big Data Technology	270
Yan Zhang, Jie Xiao	379
Modified Recurrent Neural Networks for Incomplete Time Series Forecasting	202
Chunhan Shi, Hongxia Wang	383
Distributed Training Optimization for DCU	207
Biaoyuan Chen, Jianan Li, Pengfei Li, Jingming Xie, Rongcai Zhao, Wei Gao, Lin Han	387

Optimization Calculation Algorithm for Radiation Parameters Based on Extreme Learning Machine	393
Taiye Liu, Chengpo Mu, Yang He, Nan Wu	393
Research on Change Detection Algorithms for Image Interaction and Edge Enhancement	397
Qi Wang, Jiying Li	371
A Statistical-based Precursor Operator Analysis Method	405
Pengteng Huang, Guanyu Chen, Jun Nie, Yantao He	403
Application Research of Emotion Analysis, Eye Tracking, and Head Movement Monitoring Based on Facial Recognition Algorithms in ESL Student Engagement Assessment	409
Axin Huang, Mary Jane C.Samonte, Xingyu Huang, Zhilin Zhang	
Improved Coal Gangue Recognition Detection Algorithm Based on YOLOv5s	413
Tianhang Duan, Cunfu Yan, Xuetao Qiao, Yiming Wang, Zhufen Guo, Zenxiao Zhao	413
A TCAM-based String Matching Algorithm for Network Intrusion Detection System	417
Zhixiong Zhou, Qi Yan, Rui Wang	41/
Models Based on Dynamics and Discrete Global Optimisation Algorithms	422
Jiayi Tan	722
PR-Graph2vec: PageRank-based Graph Embedding Algorithm for Phishing Detection in the Ethereum Network	428
Xucan Zhang, Siyi Xiao, Zexin Li, Yuchen Shan, Runze Cui, Lejun Zhang	
Research on Near-Infrared Spectroscopy Calibration Transfer Algorithm Based on Piecewise Direct Standardization and K-Nearest Neighbor	433
Haoran Zhu, He Ding, Xingyi Jiang, Hao Chen, Lei Wang, Long Zhang, Yongqiang Pang, Fengpeng Zhu	
Design of Automatic Colouring of Sketch Images Based on Deep Learning Algorithm	438
Lian Chen, Chengjun Zhou	730
An Improved Secretary Bird Optimization Algorithm	442
Hongwu Qin, Songhao Yang, Zhenqi Liu, Guangxi Li	772
Implementation of FIR Digital Filter Algorithm in C Language on DSP Platform	446
Guoyong Wang	770
Design and Application of Adaptive Image Recognition Algorithm Based on Deep Reinforcement Learning	451
Guoyong Wang, Jie Pan	
Lightweight YOLOv5s Algorithm for High-Altitude Power Operation Safety Belt Detection Based on Partial Convolution	457
Jinlong Zhang, Huahu Xu, Minjie Bian	
RF-YOLO: A Small Target Detection Algorithm for UAV Aerial Photography Based on YOLOv8	461
Qianyi Wang, Zhaoyang Bing, Zhiyan Guo, Wei Zhao	.01
A Digital Currency Scheme Based on Blind Signatures Using Chaotic Hash Functions and RSA Algorithm	466
Chunfu Zhang, Jing Bai, Yanchun Liang, Adriano Tavares, Lidong Wang, Jie Jiang	
An Improved Artificial Bee Colony Algorithm Based on k-means Clustering	470
Shouxi Li, Ruixiang Li, Jiayun Li, Delong Peng	170
A Book Recommendation Algorithm for High Vocational School Library Based on Deep Learning	480
Yingying Tang, Gao Lin, Xiuzhu Ruan, Yi Zhu	100

Inverse Relational Reasoning Based on 3D-CRN Direction Relation Model	485
Zhenxi Fang, Weiguang Liu, Miao Wang, Hao Tang	403
Application and Exploration of Computer Technology in Digital Protection of Bashu Intangible	
Cultural Heritage	492
Zijun Shen, Qiong Xu, Min Wang, Yuyu Xue	
Path Planning for Power Inspection Robot Based on Improved PSO Algorithm and Dynamic Window Approach	498
Qijiang Su, Yanghua Cai	
GAIPPTSC: An Efficient Container Tasks Orchestration and Scheduling Algorithm	503
Guofeng Zheng, Bo Jiang, Jinhui Xie, Chuxuan Shi	303
Audio Feature Extraction Algorithms and Implementation Technologies Analysis	507
Shaoxuan Li	307
A fast Electromagnetic Scattering Computation Method for Multiple Hybrid Targets	517
Tao Song, Qingkuan Wang, Lili Cong, Zhaolong Wang	317
Research on Fault Warning Technology of Optical Network Based on Recurrent Neural Network	522
Ganhong Cai, Yinfa Zhang, Xiaoyun Kuang, Lu Zeng	322
Challenges of Data Consistency in High-Concurrency Environments: Algorithms and Implementation for the Electric Power Industrial Internet Platform	526
Zhongran Zhou, Lili Wang, Chunhe Song, Yaowei Shen, Mafeng Li, Sai Liu	
Fault diagnosis of switch machine based on Genetic Algorithm-Optimized Back Propagation Neural Network	531
Xue Zhu, Hongxia Niu	
Smart Farm Picking and Distribution Integration : Discrete Artificial Bee Colony Algorithm	535
Yiran Pan, Zhonghua Miao	333
A Emergency Path Planning Method for UAV Based on A-star Algorithm	540
Zhezhou Li, Zhuolei Chen, Wenbin Wu, Bojian Chen, Yijia Zhan, Jiaqi Dong	540
Advancing Bioheat Transfer Simulations: A GPU-Accelerated ADI-Finite Difference Method in Medical Applications	545
Yuming Chen, Qixuan Wang, Congsheng Li	
PFIDT:Pyramid Focal Inverse Distance Transformer for Crowd Localization Jin Ye, Shaojie Guo, Xiameng Li, Yilin Liu	549
Intelligent Communication System for Poultry Manufacturing	~~.
Wai Yie Leong, Yuan Zhi Leong, Wai San Leong	554
Green Communication Systems: Towards Sustainable Networking	7.50
Wai Yie Leong, Yuan Zhi Leong, Wai San Leong	559
DdbiNet: A dangerous driving behavior identification network based on Resnet18	5.65
Xinyun Feng, Tao Peng, Tingting Duan, Haijing Hou, Qiang Chen, Zhiguo Zhang	565
Deniable and Accountable Searchable Message-Moderation System with Multi-Recipient	551
Aotian Cai, Hongyu Wang, Jing Han, Yining Li	571
Research on Lightweight Obstacle Detection Model Based on Improved YOLOv5s	576
Yuting Ma, Guodong Xu	576
Ensembling Temporal Convolutional Networks for Heart Sound Classification	5 01
Zhongyu Luo, Junjie He, Aiguo Wang	581

UAV Anomaly Detection Model Based on Integrated Multi-Modal Neural Network and Neural	-0-
Architecture Search	585
Rong Zeng, Chong Zhao, Ziqi Liu, Yu Lu	
Blockchain-based Federated Learning System for Intelligent Traffic Management	589
Junlong Du, Xiaoni Wang, Qiuxin Wu, Can Wang	
CPGA-BOT: A Customized Power Grid Assistant chatBOT Fine-Tuning in Large Language Model	597
Qing Wang, Ziyin Zhou	
Edge-Cloud Co-Evolutionary Task Offloading for Faulty Edge Microservices	602
Shan Zhang, Linru Ma, Yingchao Wang	
Research on Information System Architecture Based on Microservice Architecture	606
Ruxue Bai, Xueqian Song	
Frequency Hopping Modulation Format Recognition Based on Higher-Order Cyclic Cumulants and Neural Network Classifier	611
Wenjun Xie, Longqing Li, Lei Zhong, Qingxin Xiao, Yongjie Zhao, Deming Hu	
Design and Implementation of Adaptive Resource Placement Component Based on Storm	617
Lina Li, Junan Lv, Shuxin Wang, Chuncheng Hu, Yiming Xu, Nianfeng Li	017
Software Defect Classification and Analysis Study	621
Liyuan Zheng, Yang Xie, Boyuan Hou, Xin Xie	021
Research on Service Splitting and Governance of E-commerce System Based on Microservice Architecture	
Taking small and medium-sized BtoC e-commerce system as an example	625
Ruxue Bai, Xueqian Song	
Quantum Convolutional Neural Network based on Variational Quantum Fuzzy Inference	
Fangcong Zheng, Zhaolin Liu, Shibin Zhang	629
Research on Optimization Scheduling Model for the Use and Maintenance of Protective Vehicles	
Yuyanzhen Zhong, Yuechuan Zhou, Xinyi Su, Hanhan Wang, Yong Shuai	633
Fault Diagnosis Based on Digital Twin Modeling of Bearings	
Zhenxin Liang, Ziwen Wu	639
A Multi-Source Retrieval Question Answering Framework Based on RAG	
Ridong Wu, Shuhong Chen, Xiangbiao Su, Yuankai Zhu, Yifei Liao, Jianming Wu	644
Innovative Application of Deep Learning and Large Model	
Zebin Wen, Jiuyang Zhang, Bo Zhao, Runfan Luo	648
Reliability Test of Control Loop Information in New Power Load Management System	
Shuyang Wang, Qiang Guo, Ke Chen, Haoyang Yu, Mingyuan Ren, Haoxiang Cao	655
Evaluation Method of User Terminal and Control Loop Operation Quality for New Load	
Management System	659
Ke Chen, Haoyang Yu, Qiang Guo, Tao Meng, Shuyang Wang, Haoxiang Cao	
Research on Performance Analysis Techniques for Parallel Program Optimization on Domestic CPU Architecture	664
Sheng Zhu, Cheng Zhou, Weiwei Li, Fucai Luo, Wen Ji	
Industrial 5G Private Network Deterministic Technology Research and Verification	651
Jinyu Zhu, Yufei Han, Shihui Duan, Fangmin Xu, Xingchen Pan, Youyang Zhu	671

Visualization Analysis of Artificial Intelligence Applications in Rural Areas Based on Citespace	677
Qian Zhang, Jing Zhao, Liping Xia	677
Design of Transcranial Pulse Electrical Stimulator Based on Virtual Instrumentation	683
Weilong Ma, Hongda Li	083
KPCA for Open Source Security: Analyzing and Assessing Component Vulnerabilities	688
Shubin Yuan, Wei Pu, Chenyu Liu, Yu Han, Jianheng Shi, Liqun Yang, Xiaoyu Zhou	000
Design of UAV Obstacle Avoidance Navigation Based on LiDAR Cartographer Mapping	694
Yongxin Liu, Yuzhen Tian, Xue Gao	094
Effect of the Substrate Heat Conduction on the Heat Distribution Type MEMS Natural Gas Flow Sensor	699
Jie Zhang, Peng Zhang, Lingfeng Gu, Liuyun Duan, Yanfang Zhang, Qiang Cao	
Construction of a Public Service Platform for Capability Verification Based on Recommendation Algorithms	703
Chuang Li, Dazhong Wang, Peng Liu, Huanchun Yan, Haoxiang Jin	
Enhancing Network Security: Machine Learning Evaluation for Intrusion Detection in Power Load Management System	708
Bin Li, Jiyuan Zhong, Shuyang Wang, Haoyang Yu, Qiang Guo, Mingyuan Ren, Ke Chen	
Predictive Modeling of Terminal Node Eligibility Assessment in Power Load Management Using Neural Network	713
Bin Li, Kaibo Zhang, Shuyang Wang, Haoyang Yu, Qiang Guo, Mingyuan Ren, Ke Chen	
Prioritized Experience Replay-Based DDQN for Unmanned Vehicle Path Planning	718
Lipeng Liu, Letian Xu, Jiabei Liu, Haopeng Zhao, Tongzhou Jiang, Tianyao Zheng	/18
Design and Application of Artificial Intelligence-Based Sports Rehabilitation Robot Auxiliary System	722
Qiyu Zhang, Mingmin Gong, Shangze Yu, Hao Sun	722
Author Index	729