

**The 17th International Symposium on Distributed Computing and Applications
for Business Engineering and Science (DCABES2018)**

Conference Program

October 19, 2018 (Friday)

14:00-21:00	Registration	Wuxi Chang Guangxi Hotel, Jiangnan University
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October 20, 2018 (Saturday)

Room	Building of School of IOT D328(物联网工程学院 D328)
08:30-08:45	Opening Remarks DCABES General Chair: Prof. Choi-Hong LAI, University of Greenwich, England
08:45-09:00	Take photos

Session 1	D328	Chair: Shesheng Zhang
09:00-09:20	Distribution network fault diagnosis recorder	Runsheng Zhang
09:20-09:40	A parallel algorithm of path planning for DEM terrain data	Yanli Wang
09:40-10:00	Specifying and Modeling Cloud Cyber Physical Systems Based on AADL	Lichen Zhang
10:00-10:20	Fix Page Fault in Post-Copy Live Migration with RemotePF Page Table Assistant	Zhongyuan Shan
10:20-10:30	Coffee Break	

Session 2			D328			Chair: Qingping Guo		
10:30-10:50	Projective Synchronization for Heterogeneous Active Magnetic Controlled Memristor-Based Chaotic Systems							Jiayun Chen
10:50-11:10	Research on Ventilation Computing System for Multi-area Network Model							Zhifeng Tian
11:10-11:30	Optimization Algorithm Research of Logistics Distribution Path Based on the Deep Belief Network							Wenjing Li
11:30-11:50	Research on Image Fractal Compression Coding Algorithm Based on Gene Expression Programming							Wenjing Li
12:00-13:30	Lunch							

Session3			B310			Chair: Meiqing Wang		
13:30-13:50	A Data Assimilation Enabled Model for Coupling Dual Porosity Flow with Free Flow							Craig Douglas
13:50-14:10	A Tally System Based on CNN and Block Chain							Quanyin Zhu
14:10-14:30	Design of Spot Introduction and User Interaction System Based on AR Augmented Reality Technology							Quanyin Zhu
14:30-14:50	Visualization and Forecast Analysis of Science and Technology Intelligence Based on Knowledge Graph							Quanyin Zhu
14:50-15:10	Multiple Solutions for the Nonhomogeneous Schrodinger-Poisson Equations Involving the Fractional Laplacian							Decai Sun
15:10-15:30	Graph Regularized Low-Rank Representation for Semi-Supervised learning							Congzhe You
15:30-15:40	Coffee break							

Session4			B310			Chair: Craig Douglas		
15:40-16:00	Application of Stereo Vision Technology In 3D Reconstruction of Traffic Objects					Jingfu Ren		
16:00-16:20	Constrained Multi-view NMF with Graph Embedding for Face Clustering					Bin Qian		
16:20-16:40	Fire Detection Based on Improved HOG					Min Yan		
16:40-17:00	Mask Convolution for Filtering on Irregular-Shaped Image					Yiping Jiao		
17:00-17:20	Study on the Optimization of CNN Based on Image Identification					Yanyan Feng		
17:20-17:40	Indoor People Counting Method Based on Fingerprinting Localization with Kernel Fuzzy C-Means Clustering					Huaijun Wang		
17:40-18:00	Analysis and Implementation of Abnormal User Data for Large Scale Communication Based on Spark					Siqin Huang		
18:00	Banquet							

Session5			B222			Chair: Wenjing Li		
13:30-13:50	An Improved Cooperative RDPSO Algorithm Based on Search History Decision					Ji Zhao		
13:50-14:10	Autoencoder Classification Algorithm Based on Swam Intelligence Optimization					Zhiguo Chen		
14:10-14:30	Research on Data Query Optimization Based on SparkSQL and MongoDB					Yujun Chen		
14:30-14:50	Semantic-Based Customizable Location Privacy Protection Scheme					Haitao Shi		
14:50-15:10	HyperDC: A Re-Arrangeable Non-Blocking Data Center Network Topology					Li Peng		
15:10-15:30	Joint Relay Selection and Power Allocation for Energy-Limited Networks with Cloud Computing					Zhifang Gu		
15:30-15:40	Coffee break							

Session6		B222	Chair: Lichen Zhang
15:40-16:00	LSTM Model Optimization on Stock Price Forecasting	Meiqing Wang	
16:00-16:20	Improved Extreme Learning Machine Based on Artificial Bee Colony Algorithm	Li Mao	
16:20-16:40	User Interest Prediction Model Based on the Cellular Automata	Yecheng Wang	
16:40-17:00	Random-Matrix Regularized Discriminant Analysis of High-Dimensional Dataset	Peng Liu	
17:00-17:20	A Weighted Strike-Related Implied Volatility Model	Huiping Sun	
17:20-17:40	An Enhanced Quantum-Behaved Particle Swarm Optimization for Security Constrained Economic Dispatch	Juan Mei	
17:40-18:00	An Improved Algorithm for Mining Maximal Frequent Itemsets Based on FP-tree	Tongqing Chen	
18:00	Banquet		

October 21, 2018 (Sunday)

Keynote Speeches1		D328	Chair: Jun Sun
08:30-09:20	Semantic scene interpretation Prof: Josef Kittler		
09:20-10:10	Applications of Computational Intelligence to Condition-Based Maintenance Prof: Kay Chen TAN		
10:10-10:20	Coffee break		
Keynote Speeches2		D328	Chair: Fang Wei
10:20-11:10	Towards Cognitive Big Data Informatics: Real-world Case Studies and future directions Prof: Amir Hussain		
11:10-11:30	Using historical data and machine learning techniques to predict outcomes during contamination threats Prof: Choi-Hong LAI		
12:00-13:30	Lunch		

Session7		B310	Chair: Licheng Zhang
13:30-13:50	Design and Implementation of WeChat Robot Based on Machine Learning	Quanyin Zhun	
13:50-14:10	Personalized Professional Recommendation System Based on Undergraduate Questionnaires	Quanyin Zhun	
14:10-14:30	Multipath Fault-Tolerance Routing Mechanism in Data Center Network	Nan Ya	
14:30-14:50	Particle Swarm Optimization Algorithm Based on Greedy Strategy for Solving MOP Crowd Pricing Problem	Zehua Yue	
14:50-15:10	MTSP UAV Detection Problem Based on Ant Algorithm Separation of Signals with Same Frequency Based on Improved Bird Swarm Algorithm	Zehua Yue	
15:10-15:30	Signal Sorting Using Teaching-Learning-Based Optimization and Random Forest	Mengmeng Zhang	
15:30-15:40	Coffee break		

Session8		B310	Chair: Wei Fang
15:40-16:00	Navigation Planning of Submarine in 3D Space Based on Space Contraction Ant Colony Algorithm	Biao Wang	
16:00-16:20	Separation of Signals with Same Frequency Based on Improved Bird Swarm Algorithm	Junhui Yang	
16:20-16:40	Parameter Estimation of Software Reliability Growth Models by A Modified Whale Optimization Algorithm	Kezhong Lu	
16:40-17:00	A Redesigned Back Toll Plaza with New Merge Pattern	Youhao Zhang	
17:00-17:20	An Automated Planning and Scheduling Method of Shared Bikes Based on Reward and Punishment Mechanism	Yijun Luo	
17:20-17:40	An Improved Recommendation Algorithm for Micro-blog Network Advertisement	Yanxia Yang	
17:40-18:00	Correlation Analysis between PIK3CA, TP53, CDH1 Genes Mutations and Breast Cancer Specifying Spatio-Temporal Properties for Mobile Cyber Physical Systems	Dongyue Zhu	
18:00	Dinner		

Session9		B222	Chair: Quanyin Zhu
13:30-13:50	Specification and Design of Cyber Physical Systems Based on System of Systems Engineering Approach		Licheng Zhang
13:50-14:10	Specifying Spatio-Temporal Properties for Mobile Cyber Physical Systems		Licheng Zhang
14:10-14:30	Learning a Discriminative Feature Descriptor with Sparse Coding for Action Recognition		Lingqiao Li
14:30-14:50	More Accurate Estimation of Shortest Paths in Social Networks		Chaobing Feng
14:50-15:00	Coffee break		

Session10		B222	Chair: Wenbo Xu
15:00-15:20	Simultaneous State and Fault Estimation of Discrete-Time Markovian Jump Stochastic Systems: The event-Triggered Design		Xu Liu
15:20-15:40	Top-k Query for Weighted Interactive Product Configuration		Baijun Chen
15:40-16:00	The Influence of Climate Change on Vulnerability about Fragile and Stable		Runda Tian
16:00-16:20	A Vision-based Inspection Strategy for Large-scale Photovoltaic Farms Using an Autonomous UAV		Zhipeng Xi
16:20-16:40	Research on Integrated Simulation Platform Framework for Satellite Control System		Fangjing Guan
18:00	Dinner		