

Programme of the 1st International Conference on the Frontiers and Advances in Data Science - FADS2017	
All sessions will be held at the Han Zhong Hall, 2nd Floor at the Hilton Xi'an	
<u>Monday 23rd of October 2017</u>	
8.30-9.00	Registration: 2nd Floor (Han Zhong Hall)
9.00-9.30	Opening Remarks
9.30-10.20	Keynote Speaker: Professor Zongben Xu
10.20-10.40	Coffee Break 1
10.40-12.00	<u>Applications Session 1</u>
	Robust Recognition of Human Activities using Smartphone Sensor Data, <i>Ramy Hussein</i>
	Word Mover's Distance for Affect Detection, <i>Mohammed Alshahrani</i>
	The potential of conversational agents to provide a rapid HIV counseling and testing services, <i>Alastair van Heerden</i>
	A Method of Breast Masses Diagnosis Fused Medical Clinical Feature, <i>Kaige Ma</i>
12.00-13.15	Lunch 1
13.15-14.35	<u>Analytics Session 1</u>
	From Convolutional to Recurrent: Case Study in Nasopharyngeal Carcinoma Segmentation, <i>Zhenghao Chen</i>
	Pattern Discovery from Dynamic Data Streams using Frequent Pattern Mining with Multi-Support Thresholds, <i>Manal Almuammar</i>
	Single Text Image Super Resolution Based On Edge Compensation Autoregressive Model, <i>Liang Wu</i>
	Spectral-spatial Hyperspectral Image Classification Based on Sparse Representation and Edge Preserving Filtering, <i>Tian Zhang</i>
14.35-15.25	Keynote Speaker: Dr Sudeep Das
15.25-15.45	Coffee Break 2
15.45-17.05	<u>Data Science Foundations / Analytics Session</u>
	Image Super-Resolution based on Structural Dissimilarity Learning Dictionary, <i>Dongfeng Mei</i>
	DIBR-synthesized Image Quality Assessment Based on Local Entropy Analysis, <i>Yifeng Ren</i>
	Feature Extraction Based on Tensor Modelling for Classification Methods, <i>Ronghua Yan</i>
	Fast QR Code Detection, <i>Xiang Zhang</i>
17.05-18.05	<u>Analytics and Applications session 1</u>
	Automatic Nasopharyngeal Carcinoma Segmentation in MR Images with Convolutional Neural Networks, <i>Zongqing Ma</i>

	Spontaneous Facial Expression Recognition by Heterogeneous Convolutional Networks, <i>Xianlin Peng</i>
	Automatic Focus Personage Identification in Multi-lingual News Image, <i>Xueping Su</i>
18.30	FADS Dinner and Reception - Hilton Xi'an

	<u>Tuesday 24th of October 2017</u>
8.30-9.00	Registration: 2nd Floor (Han Zhong Hall)
9.00-9.50	Keynote Speaker: Professor Xueqi Cheng
9.50-10.10	Coffee Break 3
10.10-11.30	<u>Applications Session 2</u>
	A Performance Comparison of Load Balancing Algorithms for Cloud Computing, <i>Tahira Islam</i>
	Big Data Challenges in Transportation : A Case Study of Traffic Volume Count from Massive Radio Frequency Identification(RFID) Data, <i>Tina Wemegah</i>
	Lung Nodules Detection Based on 3D Convolutional Neural Network, <i>Lei Fan</i>
	A Judgment Framework for Roller Skating Using Faster R-CNN, <i>Qi Bu</i>
11.30-12.30	<u>Special Session : Data Science for Politics, Policy, and International Development Session 1</u>
	DataExchange: Privacy by Design for Data Sharing in Education, <i>Jon Nicholson</i>
	Detecting Policy Preferences and Dynamics in the UN General Debate with Neural Word Embeddings, <i>Slava Mikhaylov</i>
	What Drives the International Development Agenda? An NLP Analysis of the United Nations General Debate 1970-2016, <i>Niheer Dasandi</i>
12.30-13.45	Lunch 2
13.45-14.35	Keynote Speaker: Professor Victor Chang
14.35-15.55	<u>Security, Governance and Privacy Session</u>
	Face Anti-Spoofing Via Hybrid Convolutional Neural Network, <i>Lei Li</i>
	A Quantum Stabilizer Code Associated with Cluster States, <i>Dan Song</i>
	A weak blind quantum signature protocol based on four-particle cluster state, <i>Minghui Zhang</i>
	Deploying A Co-training Algorithm to Classify Human-Rights Abuses, <i>Ragini Gokhale</i>
15.55-16.15	Coffee Break 4
16.15-17.35	<u>Applications Session 3</u>
	Dual Hybrid Manifold Regularized Non-negative Matrix Factorization with Discriminability for Image Clustering, <i>Peng Luo</i>

	Spontaneous Facial Micro-expression Analysis using Spatiotemporal Local Radon-based Binary Pattern, <i>Guoying Zhao</i>
	Intrinsic Image Extraction based on Deconvolutional Neural Network, <i>Yuxiao Zheng</i>
	Extracting Underwater Object Region Proposal Using BING Method, <i>Xiaoyue Jiang</i>
18.30	FADS2017 Banquet - Hilton Xi'an

	<u>Wednesday 25th of October 2017</u>
8.30-9.00	<u>Registration: 2nd Floor (Han Zhong Hall)</u>
9.00-10.00	<u>Special Session : Data Science for Politics, Policy, and International Development Session 2</u>
	Data Innovation for International Development: An overview of natural language processing for qualitative data analysis, Anna Hanchar
	Database of Parliamentary Speeches in Ireland, 1919-2013, Slava Mikhaylov
	SpaceTexts: A New Corpus of Speeches in the UN Committee on the Peaceful Uses of Outer Space, Caleb Pomeroy
10.00-10.20	Coffee Break 5
10:20-12.00	<u>Data Science, Analytics and Applications</u>
	An Exploration of the Directional Change Based Trading Strategy with Dynamic Thresholds on Variable Frequency Data Streams, Nora Alkhamees
	A Conceptual Framework for Cloud Data Governance-Driven Decision Making, Majid Al-Ruithe
	A Hybrid Semantic Method for Enhancing Movie Recommendations, Abdullah Almuhaimeed
	Inovative Signautre Based Intrusion Detection System Parallel Processing and Minimized Database, Abdullah Almutair
	Counterfactual Domain Adversarial Training of Neural Networks, Umar Abdullahi
	A Review of Bloody Violence in Video Classification, Huimin Wang
	Classifying collaborative approaches for Cloud Based Collaborative Software Development, Elhadj Benkhelifa
12.00-14.00	Lunch 3, Closing Remarks and Awards