

Details of parallel paper sessions on 29 October 2016

Paper Session 1 (1A, 1B, 1C, 1D, 1E) 09:00 to 10:00	1A: Natural Language Processing		
	Name	Affiliation	Title
	CHEN, Xinhuan	THU	Deep Learning Based Topic Identification and Categorization: Mining Diabetes-Related Topics on Chinese Health Websites
	LI, Jing	CUHK	Topic Extraction from Microblog Posts Using Conversation Structures
	XIAO, Han	THU	TransG : A Generative Model for Knowledge Graph Embedding
	YU, Linyun	THU	From Micro to Macro: Uncovering and Predicting Information Cascading Process with Behavioral Dynamics
	1B: Network Architecture and Algorithm		
	Name	Affiliation	Title
	LING, Xiao	THU	Joint scheduling of MapReduce jobs with servers: Performance bounds and experiments
			Rapid and Robust Impact Assessment of
	ZHANG, Shenglin	THU	Software Changes in Large Internet-based Services
	CHEN, Meng	THU	A Measurement Study on the Distribution Disparity of BGP Instabilities
	WANG, Xueyan	THU	Is the Secure IC Camouflaging Really Secure?
	1C: Big Data Analytics		
	Name	Affiliation	Title
	PANG, Haitian	THU	Crowdsourced mobility prediction based on spatio-temporal contexts
	HUANG, Weihuang	CUHK	A Sketch-First Approach for Finding TSP
ZHAO, Shenglin	CUHK	Geo Pairwise Ranking Matrix Factorization Model for Point-of-interest Recommendation	
LI, Shuai	CUHK	Contextual Combinatorial Cascading Bandits	
1D: Computer Vision and Image Processing			
Name	Affiliation	Title	

	YAN, Qingsen	NWPU	Ghost-Free High Dynamic Range Imaging with Sparse Representation
	DOU, Qi	CUHK	3D Deeply Supervised Network for Automatic Liver Segmentation from CT Volumes
	WANG, Qirui	THU	Deep Conditional Neural Network for Image Segmentation
	SUN, Wei	NWPU	Compressive coded aperture based Image super resolution reconstruction
	1E: Network Architecture and Algorithm		
	Name	Affiliation Title	
	LIAO, Junfeng	THU	Refactoring and Optimizing the Community Atmosphere Model (CAM) on the Sunway TaihuLight Supercomputer
HU, Wen	THU	Towards Network-Failure-Tolerant Web Content Delivery: A Path-Aware Peer-Assisted Approach	
ZHANG, Hongbin	THU	Pin Tumbler Lock: A Shift based Encryption Mechanism for Racetrack Memory	

Paper Session 2 (2A, 2B, 2C, 2D) 10:15 to 11:15	2A: Natural Language Processing		
	Name	Affiliation Title	
	ZANG, Chengxi	THU	Beyond Sigmoids: the NetTide Model for Social Network Growth, and its Applications
	LIU, Pengfei	CUHK	Learning Track Representation and Trends for Conference Analytics
	XUE, Yuanyuan	THU	Analysis of Teens' Chronic Stress on Micro-blog
	2B: Speech Processing		
	Name	Affiliation Title	
	CHEN, Hongjie	NWPU UCAS_S	Unsupervised Bottleneck Features for Low-resource Query-by-example Spoken Term Detection
	SU, Rongfeng	Z	Convolutional Neural Network Bottleneck Features for bi-directional Generalized Variable Parameter HMMs
	NING, Yishuang	THU	HMM-based Emphatic Speech Synthesis for Corrective Feedback in Computer-Aided Pronunciation Training
2C: Big Data Analytics			

Name	Affiliation Title	
ZHU, Yeshuang	THU	CEPT: Collaborative Editing Tool for Non-Native Authors
WONG, Ka Ho	CUHK	Exploratory Data Analysis on Nuclei in Cantonese Dy sarthric Speech
TIAN, Tian	THU	Max-margin Majority Voting for Learning from Crowds
DENG, Lei	CUHK	Energy-Efficient Timely Transportation of Long-Haul Heavy-Duty Trucks
2D: Computer Vision and Image Processing		
Name	Affiliation Title	
XIE, Yutong	NWPU	Lung Nodule Classification by Jointly Using Visual Descriptors and Deep Features
XIONG, Yuanjun	CUHK	Temporal Segment Networks: Towards Good Practices for Deep Action Recognition
WU, Zhirong	CUHK	Deep Markov Random Field for Image Modeling

Paper Session 3 (3A, 3B, 3C, 3D) 16:00 to 17:00	3A: Speech Processing		
	Name	Affiliation Title	
	SHAN, Changhao	NWPU	A Bi-directional LSTM Approach for Polyphone Disambiguation in Mandarin Chinese
	SUN, Lifa	CUHK	Phonetic Posteriorgrams for Many-to-one Voice Conversion without Parallel Data Training
	WU, Yuhao	THU	Algorithm of Pure Tone Audiometry Based on Multiple Judgment
	LI, Runnan	THU	DBLSTM-based Multi-task Learning for Pitch Transformation in Voice Conversion
	3B: Natural Language Processing		
	Name	Affiliation Title	
	MAO, Jiabin	THU	When does Relevance Mean Usefulness and User Satisfaction in Web Search?
	LI, Piji	CUHK	Cascaded Neural Attention Based Unsupervised Salience Estimation for Compressive Summarization
MA, Jing	CUHK	Detecting Rumors from Microblogs with Recurrent Neural Networks	

	3C: Network Architecture and Algorithm		
	Name	Affiliation Title	
	BAI, Xiaolong	THU	Staying Secure and Unprepared: Understanding and Mitigating the Security Risks of Apple ZeroConf
	WEI, Hao	CUHK	Speedup Graph Processing by Graph Ordering
	LI, Yang	THU	CASE: Cache-assisted Stretchable Estimator for High Speed Per-flow Measurement
	3D: Computer Vision and Image Processing		
	Name	Affiliation Title	
	PAN, Yongsheng	NWPU	Frequency-Spatial Domain Decomposition Based Bag-of-Features for Image Classification
	ZHU, Haichao	CUHK	Globally Optimal Toon Tracking
	YANG, Xin	CUHK	Prenatal Ultrasound Image Segmentation with Recurrent Memory

Paper Session 4 (4A, 4B, 4C, 4D) 17:00 to 18:00	4A: Speech Processing		
	Name	Affiliation Title	
	SUN, Sining	NWPU	An Unsupervised Deep Domain Adaptation Approach for Robust Speech Recognition
	XIE, Xurong	CUHK	Deep Neural Network Based Acoustic-to-Articulatory Inversion Using Phone Sequence Information
	CHEN, Yunlin	NWPU	On the Use of I-vectors and Average Voice Model for Voice Conversion without Parallel Data
	XU, Kaituo	NWPU	Investigating LSTM for Punctuation Prediction
	4B: Computer Vision and Image Processing		
	Name	Affiliation Title	
	LI, Fei	NWPU	Hyperspectral Anomaly Detection Using Background Learning and Structured Sparse Representation
	LI, Jizhou	CUHK	Deconvolution of Poissonian images with the PURE-LET approach
HUANG, Haozhi	THU	Efficient, Edge-Aware, Combined Color Quantization and Dithering	
YANG, Shuo	CUHK	WIDER FACE: A Face Detection Benchmark	

4C: Network Architecture and Algorithm

Name	Affiliation	Title
PEI, Changhua	THU	WiFi Can Be the Weakest Link of Round Trip Network Latency in the Wild
SHU, Ran	THU	Analysing Convergence of Quantized Congestion Notification in Data Center Ethernet
XIN, Qin	THU	A novel approach for output

4D: Machine Learning

Name	Affiliation	Title
LI, Chongxuan	THU	Learning to Generate with Memory
CHEN, Bei	THU	Discriminative Nonparametric Latent Feature Relational Models with Data Augmentation
FENG, Huan	THU	PCAF: Scalable, High Precision k-NN Search using Principal Component Analysis based Filtering
WANG, Yisen	THU	Bernoulli Random Forests: Closing the Gap between Theoretical Consistency and Empirical Soundness

**Session Chairs are marked in red.*

All papers are oral presentation. Each paper has 12 minutes for presentation and 3 minutes for Q&A.