

3 Nov (Mon) 1:45 - 3:15 p.m.		1A: Network and cloud computing	Authors	Registered Delegate	Session Chair
	1570017439	A Crowdsourcing Approach to Promote Safe Walking for Visually Impaired People	Chi-Yi Lin; Shih-Wen Huang; Hui-Huang Hsu	Chi-Yi Lin	Prof. Giuseppe Anastasi
	1570017647	Soft Real-Time GPRS Traffic Analytics for Commercial M2M Communications Using Spark	Gianluca Privitera; Giacomo Ghidini; Stephen P. Emmons; David Levine; Paolo Bellavista; Jeffrey O. Smith	Gianluca Privitera	
	1570017651	Cloud Service Recommendation based on Trust Measurement Using Ternary Interval Numbers	Hua Ma; Zhigang Hu	Hua Ma	
	1570015579	Complex Data Collection in Large-scale RFID Systems	Weiping Zhu; Xiaohui Cui; Cheng Hu and Chao Ma	Weiping Zhu	
3:15 - 3:45 p.m.		Coffee Break			
3 Nov (Mon) 3:45 - 5:30 p.m.		2A: Network and cloud computing	Authors		
	1570016689	Reputation-based Multiplayer Fairness for Ad-hoc Cloudlet-assisted Cloud Gaming System	Zhen Hong; Wei Cai; Xiaofei Wang; Victor CM Leung	Wei Cai	Prof. Chi-Yi Lin
	1570018905	Algorithmic approach to deadlock detection for resource allocation in heterogeneous platforms	Ha Huy Cuong Nguyen; Van Son Le; Thanh Thuy Nguyen	Nguyen Cuong	
	1570015865	E-Net-Manager: A Power Management System for Networked PCs based on Soft Sensors	Simone Brienza; Fabio Bindi; Giuseppe Anastasi	Giuseppe Anastasi	
	1570010287	On-demand gateway broadcast scheme for connecting mobile ad hoc networks to the Internet	Huaqiang Xu; Lei Ju; Chongxian Guo; Zhiping Jia	Huaqiang Xu / Xiaoling Wu	
	1570017595	An Optimal Slicing Strategy for SDN based Smart Home Network	Shiwei Wang; Xiaoling Wu; Hainan Chen; Yanwen Wang; Daiping Li		
3 Nov (Mon) 1:45 - 3:15 p.m.		1B: Computer vision and pattern recognition	Authors		
	1569995415	A MAP Estimation based Segmentation Model for Speckled Images	Yu Han; George Baciu; Chen Xu	Yu Han	Prof. Jane You
	1569998039	A Hybrid Fusion Scheme for Color Face Recognition	Yuwu Lu; Lunke Fei; Yan Chen	Yuwu Lu	
	1570016873	Learning to integrate local and global features for a blind image quality measure	Min Liu; Guangtao Zhai; Ke Gu; Xiaokang Yang	Guangtao Zhai	
	1569997209	Kernel sparse representation based classification for undersampled problem	Zizhu Fan; Ming Ni; Qi Zhu; Yuwu Lu	Zizhu Fan	
3:15 - 3:45 p.m.		Coffee Break			
3 Nov (Tue) 3:45 - 5 p.m.		2B: Computer vision and pattern recognition	Authors		
	1569996479	Facial Expression Recognition and Generation using Sparse Autoencoder	Yunfan Liu; Xueshi Hou; Jiansheng Chen; Chang Yang; Guangda Su; Weibei Dou	Jiansheng Chen	Prof. George Baciu
	1569998107	Face hallucination via position-based dictionaries coding in kernel feature space	Wenming Yang; Tingrong Yuan; Fei Zhou; Qingmin Liao	Wenming Yang	
	1570003605	A People Counting Method Based on Head Detection and Tracking	Bin Li; Jian Zhang; Zheng Zhang; Yong Xu	Bin Li	
3 Nov (Mon) 1:45 - 3:15 p.m.		1C: Memory, CPS and others	Authors		
	1569999843	Evaluation of PM2.5 and PM10 using normalized first-order absolute sum of high-frequency spectrum	Wenming Yang; Xiang Chen; Qingmin Liao	Wenming Yang	Prof. Pang Wai-Man
	1570017509	Garbage Collection and Wear Leveling for Flash Memory: Past and Future	Ming-Chang Yang; Yu-Ming Chang; Che-Wei Tsao; Po-Chun Huang; Yuan-Hao Chang; Tei-Wei Kuo	Yu-Ming Chang	
	1569995317	Cyberinfrastructure: Applications and Challenges	Qiuhui Tong; Bo Yuan; Xiu Li	Qiuhui Tong	
	1570021147	Implementation of an Environmental Quality and Harmful Gases Monitoring System	Chao-Tung Yang; Jung-Chun Liu; Yun-Ting Wang; Chia-Cheng Wu; Fang-Yie Leu	Chao Tung Yang	
3:15 - 3:45 p.m.		Coffee Break			
3 Nov (Mon) 3:45 - 5 p.m.		2C: Graphics, visualization and multimedia	Authors		
	1569998285	Interactive Visualization of High Density Streaming Points with Heat-map	Chenhui Li, George Baciu; Yu Han	George Baciu	Dr. Zili Shao
	1569991845	Enabling 3D Online Shopping with Affordable Depth Scanned Models	Geoffery Poon; Yu-Yin Yeung; Wai Man Pang	Pang Wai Man	
	1569997083	Towards Efficient Multimedia Publish/Subscribe in Urban VANETs	Chunmei Ma; Nianbo Liu; Xiaomin Wang; Haigang Gong; Xili Dai; Ming Liu	Chunmei Ma	
4 Nov (Tue) 1:45 - 3:15 p.m.		3A: Wireless sensor networks and mobile computing	Authors		
	1570017367	Ensuring Energy Efficient Coverage for Participatory Sensing in Urban Streets	Adnan Khan; Sk Kajal Arefin Imon; Sajal K. Das	Sajal K. Das	Prof. Jinho Ahn
	1569977983	Automatic Page Scrolling for Mobile Web Search	Mostafa Alli; Ling Feng	Ling Feng	
	1570016067	Demographic Information Prediction Based on Smartphone Application Usage	Zhen Qin; Yilei Wang; Yong Xia; Hongrong Cheng; Yingjie Zhou; Zhengguo Sheng; Victor CM Leung	Qin Zheng	
3:15 - 3:45 p.m.		Coffee Break			
4 Nov (Mon) 3:45 - 5:15 p.m.		4A: Wireless sensor networks and mobile computing	Authors		
	1570017345	Toward A Portability Framework with Multi-Level Models for Wireless Sensor Network Software	Ryo Shimizu; Kenji Tei; Yoshiaki Fukazawa; Shinichi Honiden	Ryo Shimizu	Dr. Qixin Wang
	1570017693	Continuous Tracking for Mobile Targets with Mobility Nodes in WSNs	Tian Wang; Zhen Peng; Yonghong Chen; Yiqiao Cai; Hui Tian	Tian Wang	
	1570020739	Mobile Agent Group Communication Protocol Ensuring Causal Order Semantics	Jinho Ahn	Jinho Ahn	
	1570017479	Energy-efficient Reliable Data Gathering Scheme Based on Enhanced Reed-Solomon Code for Wireless Sensor Networks	Yi-hua Zhu; Ji Xu; Ertao Li; Lin Xu	Yi-hua Zhu	
4 Nov (Tue) 1:45 - 3:15 p.m.		3B: Human computer interaction and healthcare	Authors		
	1570019461	GeSmart: A Gestural Activity Recognition Model for Predicting Behavioral Health	Mohammad Arif Ul Alam; Nirmalya Roy	Mohammad Arif Ul Alam	Dr. Shuai Li
	1570022935	Using Artificial Neural Network to Predict Mortality of Radical Cystectomy for Bladder Cancer	Kin-Man Lam; Xue-Jian He; Kup-Sze Choi	Kup Sze Choi	
	1570016131	Physiological-Based Emotion Recognition with IRS Model	Chao Li; Zhiyong Feng; Chao Xu	Chao Li	
	1570001915	Automatic Segmentation of Brain MR Images for Patients with Different Kinds of Epilepsy	Jie Wang; Rui Wang; Su Zhang; Jing Ding; Yuemin Zhu	Jie Wang	
3:15 - 3:45 p.m.		Coffee Break			
4 Nov (Tue) 3:45 - 5 p.m.		4B: Human computer interaction and healthcare	Authors		
	1570017431	Human computer interaction advancement by usage of smart phones for motion tracking and remote operation	Jega Anish Dev	Jega Anish Dev	Dr. Choi Kup Sze
	1570022639	Gas Mixture Control System for Oxygen Therapy in Pre-term Infants	Phattaradanai Kiratiwudhikul; Pornchai Chanyagorn	Phattaradanai Kiratiwudhikul	
	1570016843	Heart Rate Measurement Via Smart Phone Acceleration Sensor	Gaoan Guo; Zhenmin Zhu	Gaoan Guo	
4 Nov (Tue) 1:45 - 3:15 p.m.		3C: Machine learning, data mining and database	Authors		
	1569995141	Near-Duplicate Detection Using GPU-based Simhash Scheme	Xiaowen Feng; Hai Jin; Ran Zheng; Lei Zhu	Hai Jin	Prof. Soo Dong Kim
	1570014831	A Distributed Gaussian-Means Clustering Algorithm for Forecasting Domestic Energy Usage	Antorweep Chakravorty; Chunming Rong; Pal Evensen; Tomasz Wiktor Wlodarczyk	Antorweep Chakravorty	
	1570016151	A Correlation-Aware Partial Materialization Scheme for Near Real-Time Automotive Queries	Yu Hua; Dan Feng	Yu Hua	
	1570016699	Harmful algal blooms prediction with machine learning models in Tolo Harbour	Xiu Li; Jin Yu; Zhuo Jia; Jingdong Song	Jingdong Song	
3:15 - 3:45 p.m.		Coffee Break			
4 Nov (Tue) 3:45 - 5 p.m.		4C: Machine learning, data mining and database	Authors		
	1570017249	Facial expression recognition via deep learning	Yadan Lv; Zhiyong Feng; Chao Xu	Yadan Lv	Dr. Yu Hua
	1569997031	Classifying Smart Objects using Capabilities	Marco E. Perez Hernandez; Stephan Reiff-Marganiec	Marco Perez Hernandez	
	1570017511	Inference-as-a-Service: A Situation Inference Service for Context-Aware Computing	Moon Kwon Kim; Soo Dong Kim	Soo Dong Kim	

5 Nov (Wed)		The First International Workshop on Sensors and Smart Cities	Authors		
8:45 - 9:30 a.m.	1570025337	Keynote Session On the use of city bikes to make the city even smarter	Nathalie Mitton; Herve Rivano	Herve Rivano	Dr. Dario Bruneo
9:30 - 10:15 a.m.	1570028137	AllJoyn Lambda: an Architecture for the Management of Smart Environments in IoT	Massimo Villari; Antonio Celesti; Maria Fazio; Antonio Puliafito	Antonio Puliafito	
	1570025897	A Cooperative Sensing System for Air Quality Monitoring in Urban Areas	Simone Brienza; Andrea Galli; Giuseppe Anastasi; Paolo Bruschi	Giuseppe Anastasi	
10:15 - 10:45 a.m.		Coffee Break			
10:45 - 12 noon	1570028001	Stack4Things: integrating IoT with OpenStack in a Smart City context	Giovanni Merlino; Dario Bruneo; Salvatore Distefano; Francesco Longo; Antonio Puliafito	Dario Bruneo	Prof. Antonio Puliafito
	1570025105	Development of Shortest Path Computing Mechanism with Consideration of Commercial Vehicles Characteristics	Jau Ming Su; Chih-Hung Chang; Tsung-Ping Yang; Chun-Fu Chuang; Shang-Yen Su	Jau Ming Su	
12 - 1:45 p.m.	1570027937	A Cloud-based Access Control Solution for Advanced Multi-purpose Management in Smart City Scenario	Maurizio Giacobbe; Marcello Coco; Antonio Puliafito; Marco Scarpa	Antonio Puliafito	
	Lunch				
5 Nov (Wed)		The First International Workshop on Smart Computing Technologies and Applications in Mobile Environments	Authors		
8:45 - 9 a.m.		Opening Ceremony			Dr. Daniel Luo
		Session 1: Networking and Protocols			
9 - 10:15 a.m.	1570022991	A Probing: Estimating Available Bandwidth Using ACK Pair Probing	Yi Xie; Tao Zheng; Yuxiang Wang; Pengfei Yuan	Tao Zheng	
	1570023699	Network coding overhearing management policies based on data packet switching and sorting algorithm	Zuoting Ning; Dafang Zhang; Kun Xie; Youpeng Li; Dingli Liu	Zuoting Ning	
	1570024225	Time-Efficient Transient Loops Avoiding in Snapshot Routing Algorithm	Zhu Tang; Wanrong Yu; Baokang Zhao; Zhenqian Feng; Chunqing Wu	Zhu Tang	
10:15 - 10:45 a.m.		Coffee Break			
		Session 2: Algorithms and Applications			
10:45 - 12 noon	1570023711	A Dynamic Path Planning Algorithm For Multi-core Navigation Device	Simin Cheng; Yinghua Zhou; Guangzhong Sun	Guangzhong Sun	Dr. Daniel Luo
	1570029675	A Navigation Route based Minimum Dominating Set Algorithm in VANETs	Hui Cao; Weigang Wu; Yishun Chen	Hui Cao	
12 - 1:45 p.m.		Lunch			
5 Nov (Wed)		The First International Workshop on Smart Embedded Systems	Authors		
8:45 - 10:15	1570022427	A Deeply Embedded Processor For Smart Devices	Hanni Lozano; Mabo Ito	Hanni Lozano	Dr. Yu Hua
	1570030229	Control-flow Checking for Intrusion Detection via a Real-Time Debug Interface	Zonglin Guo; Ram Bhakta; Ian G. Harris	Zonglin Guo	
10:15 - 10:45 a.m.		Coffee Break			
10:45 - 12 noon	1570043183	DCTP: Data Collecting Based on Trajectory Prediction in Smart Environment	Chengliang Wang; Yayun Peng; Debraj De; Wen-Zhan Song	Chengliang Wang	Dr. Yu Hua
	1570043197	A New Data Aggregation Technique in Multi-sink Wireless Sensor Networks	Chengliang Wang; Yu Zhang; Wen-Zhan Song	Chengliang Wang	
12 - 1:45 p.m.		Lunch			