IB2COM 2013 PROGRAM

Guilin Bravo Hotel, Guilin, China

Thursday December 12	PLENARY SESSION	
Time		
8:30 - 9:00	Arrival and Registration of Invited Guests	Chair (LOC): Prof Wenyan Wang
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9:00	OFFICIAL OPENING OF THE 8th INTERNATIONAL CONFERENCE ON BROADBAND COMMUNICATIONS & BIOMEDICAL APPLICATIONS	
9.30 - 10.00 am	Keynote Address	Professor Jiankun Hu (Cyber Security Lab, University of New South Wales, Canberra, Austalia)
	Cyber Security	
10.00 - 10.30am	Morning Tea	
	Session (I): Informatics	
	Chair: Dr Frank Jiang (University of New South Wales, Australia)	
10.30 - 10.50am	Developing the Service System of IoT Based on Embedded System	Jin-kuang Wang Jing Zhang Shi-xing Li Jie-lun Li (Guangdon University of Foreign Studies, Cisco School of Informatics, Guangzhou)
10.50 - 11.10am	A Study on Combining Healthcare Services and Business Continuity Plans in Medical and Health Check Records	Atsushi Ito, YutakaYamagishi (KDDI, Tokyo Japan)
11.10 - 11.30am	Experimental study on the Effect of Sediment Percentage on Polycarboxylic Acid Water Producer	JinLian Luo (Hezhou University, Hezhou, 542800, P. R. China)
	Session (II): Signal Processing	
	Chair: Prof Wenyan Wang (Guilin Normal University, China)	
11.30 - 11.50am	A Framework for preventing SMS spam using RBL and content-based filtering methods	Quang Minh Ha, Quang Anh Tran, Xuan Thang Nguyen (Hanoi University, Vietnam) and Frank Jiang (University of New South Wales, Canberra, Australia)
11.50 - 12.10pm	The modified algorithm for Gaussian mixture background based on Spatiotemporal distribution	Song Shu-xiang, He Li-ping, and Cai Chao-bo (Guangxi Normal University, Guilin, China)
12.10 - 12.30pm	VANET Clustering Routing Algorithm Applied in Rugged Environments	Mohamed Mohsen M. Nasr, Abdeldime M.S Abdelgader, Shen Lian Feng (Southeast University China)
12.30 - 1.30pm	Lunch	
	Session (III): RF Circuits	
	Chair: Prof Yoshiaki Kakuda (Hiroshima City University, Japan)	
1.30 - 1.50pm	Smart Adaptive Beam Forming Antenna for Interference Minimization	Ahmed Kausar, Hamood ur Rahman,Shafaq Kausar, Tayyab Hassan (National University of Science & Technology, Islamabad Pakistan)
1.50 - 2.10pm	A Differential Cascode Low Noise Amplifier Based on a Positive Feedback Gain Enhancement Technique	Mingcan Cen, Song Shu-xiang (Guangxi Normal University, China)
2.10 - 2.30pm	A Dual WideBand Single Layer Monopole Antenna Design for LTE/1.4/GSM 1.8/1.9/UMTS and IEEE 802.11 Standard Applications	Y. E. Mohammed Ali (University of Mosul, College of Engineering, Mosul, Iraq)
	Session (IV): Telecommunications (I)	
	Chair: Prof Johnson I Agbinya (La Trobe University, Melbourne, Australia)	

An adaptive pre-distortion technique for RF Power Amplifiers)	Didi Liu, Chaocheng Tang (Xidian University, Xi'an Shaanxi 710071, China) and Jiming Lin (Guilin Guangxi 541004, China)	
A TDE Method Based on Nonlinear Compress Core Function for HF Fading Signal in Impulsive Noise	MA Jin-quan, GE Lin-dong and TONG Li (Information Engineering University, Zhengzhou, China)	
Joint Blind Channel Estimation and Symbol Detection for MIMO-OFDM with Frequency-Domain Oversampling	Qinghua Shi (University of Electro-Communications, Chofugaoka, Chofu-shi, Tokyo 182-8585, Japan)	
Afternoon Tea		
Conference Reception		

Friday December 13		
9.00 am	**Session (V): Radar Signal Processing**	
	Chair: Prof Yoshiaki Kakuda	
9.00 - 9.20am	Spectrum Difference Function technique for measuring velocity	Thanh. T. Nguyen, J. C. Devlin, D. M. Elton, G. Deng, E. Custovic (La Trobe University, Bundoora, Victoria, 3086, Australia)
9.20 - 9.40am	Scale Factor considerations for SDF technique	Thanh. T. Nguyen, J. C. Devlin, D. M. Elton, E. Custovic, B. Bienvenu (La Trobe University, Bundoora, Victoria, 3086, Australia)
9.40 - 10.00am	Implementation considerations for SDF technique	Thanh. T. Nguyen, J. C. Devlin, D. M. Elton, E. Custovic, B. Bienvenu (La Trobe University, Bundoora, Victoria, 3086, Australia)
10.00 - 10.30am	**Morning Tea**	
	Session (VI): Ad Hoc and Sensor Networks	
	Chair: Dr Frank Jiang (University of New South Wales, Canberra, Australia)	
10.30 - 10.50am	A Method for Effective Discovery and Connection in Bluetooth MANET Consisting of Android Terminals	Koji Taketa and Yoshiaki Kakuda (Hiroshima City University, Hiroshima, Japan)
10.50 - 11.10am	An Assurance Oriented Route-Split Routing for MANET with Non-uniform Node Density	Eitaro Kohno, Mario Takeuchi, Anri Kimura and Yoshiaki Kakuda (Hiroshima City University, Hiroshima, Japan)
11.10 - 11.30am	An Energy-Balanced Unequal Clustering Routing Protocol in Wireless Sensor Networks	Hongmei Sun, Zunwen He, Cunxiang Chen, Demeng Bai, Qiyuan Liao, Chenxi Yang (Beijing Institute of Technology, Beijing, China)
11.30 - 11.50 am	An Energy-Balanced Unequal Clustering Routing Protocol in Wireless Sensor Networks	Hongmei Sun, Zunwen He, Cunxiang Chen, Demeng Bai, Qiyuan Liao, Chenxi Yang (Beijing Institute of Technology, Beijing, China)
	Session (VII): Telecommunications (II)	
	Chair: Prof. Shuxiang Song	
11.50 - 12.10pm	Partially Signed-Error CMA Computationally Efficient Blind Equalization	Yang Dalong (Tsinghua University, Beijing) and Zhang Jian (China Academy of Engineering Physics, Mianyang, China)
12.10 - 12.30pm	A Modified Algorithm for Non-Line-of-Sight Error Mitigation Based on Kalman Filter	Yunfan Yang, Liangcheng Jiang (Southeast University, Nanjing, China)
12.30 - 12.50pm	A Novel OFDM Frequency Diversity Scheme Based on Algebraic Lattice	Wei Chen, Jing Lei, Wei Liu and Wei Cao (National University of Defense Technology, Changsha, Hunan, China)
12.50 - 2.0pm	**Lunch**	
2.00 - 2.30pm	**Closing Address**	