

Part I WiCOM 2011 Conference Schedule

Registration September 23-25, 2011

Registration Time	Date	Location
09:00 – 20:00	September 23	
08:30 – 18:30	September 24	Lobby, 1st floor, ChuTian Guangdong International Hotel
08:30 – 14:30	September 25	

Friday Evening, September 23

19:30 - 21:30	Welcome Reception	Location: 3rd floor, ChuWelkin Grand Hall 1, ChuTian Guangdong International Hotel
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Saturday Morning, September 24

Time	Activity	Location: ChuWelkin Grand Hall 1, 3rd floor, ChuTian Guangdong International Hotel
08:30-08:50	Opening Ceremony	
08:50-11:50	Plenary Speech Session	
	Plenary Speech: Real-Time Mobile Video Surveillance over Wireless Broadband Networks	
	Speaker: Dr. Jenq-Neng Hwang (University of Washington, USA)	
	Time: 08:50-09:30	
	Plenary Speech: The Next Generation of Cognitive Radio Fueled by Mechanically Vibrating	
	Speaker: Dr. Hengky Chandralim (Swiss Federal Institute of Technology, Switzerland)	
	Time: 09:30-10:10	
	Coffee Break Time: 10:10-10:30	
	Plenary Speech: Ultra Low Power Wireless – The Key Technology to Enable Chip Solutions for Internet of Things (IoT)	
	Speaker: Dr. Li Huang (Interuniversity Microelectronics Centre (IMEC), Netherlands)	
	Time: 10:30-11:10	
	Plenary Speech: Efficient Quality-of-Service Provisioning and Communications in Hybrid Wireless Networks	
	Speaker: Prof. Xiaojiang Du (Temple University, USA)	
	Time: 11:10-11:50	

Saturday Noon, September 24

12:00 - 13:30	Lunch Buffet	Location: 2nd floor, Chomps Elysee café Hall, ChuTian Guangdong International Hotel
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Saturday Afternoon, September 24

Time	Activity (Rollcall at 13:55 - 14:00 in your session)	Location
14:00 - 17:30	Oral Session 1: Ad Hoc, Mesh and Wireless Sensor Networks	Chu Amorous 1, 3rd floor
	Oral Session 2: Cognitive Radio Network	Chu Amorous 3, 3rd floor
	Oral Session 3: Multimedia, QoS and Reliability	Room 328, 3rd floor
	Oral Session 4: Space-Time, MIMO and Adaptive Antennas	Room 338, 3rd floor
15:00 - 15:20	Coffee Break	3rd floor

Saturday Evening, September 24

18:00 - 19:30	Welcome Banquet	Location: 3rd floor, ChuWelkin Grand Hall 2, ChuTian Guangdong International Hotel
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Sunday Morning, September 25

Time	Activity (Rollcall at 08:25 - 08:30 in your session)	Location
08:30 - 12:00	Oral Session 5: Multi-Hop and Cooperative Communications	Chu Amorous 1, 3rd floor
	Oral Session 6: Network Protocol and Performance	Chu Amorous 3, 3rd floor
	Oral Session 7: OFDM, CDMA and Spread Spectrum	Room 328, 3rd floor
	Oral Session 8: Wireless Sensor Networks	Room 338, 3rd floor
	Poster Session 1: Wireless Communications (1)	3rd floor
	Poster Session 2: Wireless Communications (2)	3rd floor
10:00 - 10:20	Coffee Break	3rd floor

Sunday Noon, September 25

12:00 - 13:30	Lunch Buffet	Location: 2nd floor, Chomps Elysee café Hall, ChuTian Guangdong International Hotel
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Sunday Afternoon, September 25

Time	Activity (Rollcall at 13:55 - 14:00 in your session)	Location
14:00 – 17:30	Oral Session 9: Mobile Computing Systems and Applications	Chu Amorous 1, 3rd floor
	Oral Session 10: Network Security	Chu Amorous 3, 3rd floor
	Oral Session 11: Signal Processing	Room 328, 3rd floor
	Oral Session 12: Wireless & Mobile Networking	Room 338, 3rd floor
	Poster Session 3: Network Performance, Security and Applications	3rd floor
	Poster Session 4: Wireless Network and Protocols	3rd floor
15:00 – 15:20	Coffee Break	3rd floor

Monday, September 26

08:00 – 17:00	Conference Tour	Location: Wuhan city
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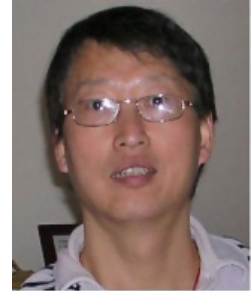
Part II Plenary Speeches

Plenary Speech: Real-Time Mobile Video Surveillance over Wireless Broadband Networks

Speaker: Dr. Jenq-Neng Hwang, University of Washington, USA

Time: 08:50-09:30, September 24, 2011

Location: ChuWelkin Grand Hall 1, 3rd floor, ChuTian Guangdong
International Hotel



Abstract

For the better security and safety of community, huge amount of video surveillance cameras are installed everywhere nowadays, not to mention more and more video cameras are also equipped on the moving patrolling vehicles. It is thus highly desired to demand the security systems to real-time monitor and analyze events so as to generate real-time alerts and take appropriate real-time actions to minimize the damages caused by crimes and threats. Thanks to the success of wireless broadband access technologies, such as WiMAX and LTE OFDMA based 4G technologies, real-time video surveillance and networking with mobility support for large scale camera networks is now made possible. In this talk, I will present design challenges and solutions for such a large scale mobile video surveillance system, where all wireless/mobile cameras are real-time uplinking videos to a cloud server with their video contents being real-time monitored or intelligently analyzed. Any detected abnormal event will trigger real-time video multicasting of a specific camera to all supporting security agents and mobile police cars. A prototype development of such a video multicasting system will be also presented.

Plenary Speech: The Next Generation of Cognitive Radio Fueled by Mechanically Vibrating

Speaker: Dr. Hengky Chandralim, Swiss Federal Institute of Technology, Switzerland

Time: 09:30-10:10, September 24, 2011

Location: ChuWelkin Grand Hall 1, 3rd floor, ChuTian Guangdong International Hotel



Abstract

As the communication industry moves towards multi-frequency and multi-band technology, portable transceivers that have compact-dimensions, low-price, low-power requirements, and the ability to dynamically handle multiple-waveforms are highly desirable. Radio frequency (RF) micro-electromechanical Systems (MEMS) technology is an emerging technology that promises new paradigms in the wireless communication systems by offering the possibility to realize a new class of integrated frequency-agile radio systems with reductions in size, weight, cost, and power.

The recent study in electromechanically vibrating micro-structures has yielded MEMS resonators with Q 's greater than 10,000 at RF band. Despite the miniscule dimensions and low-power advantages of electrostatically transduced MEMS resonators (with air as a transducer material), such resonators are well known to have a low transduction efficiency which causes undesired losses in radios. In this talk, I will present the properties of high- κ dielectric transducers which are exploited to demonstrate the CMOS process compatible high- Q , low-loss, and frequency tunable RF MEMS resonators and filters. The designs of piezoelectric based frequency-agile resonators and filters will be presented. Throughout the talk, I will point out the novel innovations in vibrating RF MEMS field such as the analog and digital frequency tuning techniques for RF MEMS resonators and filters, which will enable the next generation of ultralow- power cognitive radios.

Plenary Speech: Ultra Low Power Wireless – The Key Technology to Enable Chip Solutions for Internet of Things (IoT)

Speaker: Dr. Li Huang, Interuniversity Microelectronics Centre (imec), Netherlands

Time: 10:30-11:10, September 24, 2011

Location: ChuWelkin Grand Hall 1, 3rd floor, ChuTian Guangdong International Hotel



Abstract

The traditionally required expensive wiring installation or routine battery is one of the main bottlenecks for the realization of Internet of Things (IoT). Thus, the energy harvesting technology becomes very important, and is essential in achieving wireless autonomous transducer solutions (WATS). However, based on off-the-shelf components, the current energy harvesters cannot provide sufficient power for a typical wireless sensor node. A further power analysis shows that the wireless module is the main component whose power consumption needs to be significantly reduced. In this talk, we will discuss imec's ultra low-power wireless chip solutions based on the superregenerative receiver. More importantly, we will demonstrate its suitability to achieve WATS. We focus on system architecture as well as IC design.

Plenary Speech: Efficient Quality-of-Service Provisioning and Communications in Hybrid Wireless Networks

Speaker: Prof. Xiaojiang Du, Temple University, USA

Time: 11:10-11:50, September 24, 2011

Location: ChuWelkin Grand Hall 1, 3rd floor, ChuTian Guangdong International Hotel



Abstract

Wireless networking and communication technology has been widely used in many areas, and is expected to grow rapidly in the future. At the same time, increasing proliferation of personal wireless gadgets (such as laptops, pads, and smart phones) continuously opens up new services and possibilities for users. In the past several years, much research has been done on various wireless networks, such as mobile ad hoc networks (MANETs), sensor networks, cellular networks, Wireless LANs (WLANs), WiMAX networks, vehicular ad hoc networks and cognitive radio networks. In our research, we considered a promising wireless network - Hybrid Wireless Network (HWN). An HWN consists of an infrastructure network (e.g., a cellular network) and a few ad hoc components (e.g., MANETs). By forming an HWN, one can achieve the benefits of both infrastructure wireless networks, such as good reliability and Quality-of-Service (QoS) support, and the benefits of ad hoc networks, e.g., larger coverage, low deployment cost, and flexibility.

However, little work has systematically studied network design and performance of HWNs. In our research, we adopt the OFDMA (orthogonal frequency division multiple access) based IEEE 802.16e mobile WiMAX networks as the infrastructure network. We investigate efficient QoS routing and OFDMA resource allocation in HWNs via a systematic, cross-layer approach. The objective is to satisfy individual user's QoS requirements while optimizing the overall system performance (e.g., throughput).

Both QoS support in traditional wireless networks and OFDMA resource allocation in cellular networks have been well studied. However, in HWNs, QoS routing and OFDMA resource allocation are highly correlated and this problem remains largely unexplored. In our research, we propose jointly modeling and solving the QoS routing and OFDMA resource allocation issue in HWNs. The joint problem is NP-complete. We design efficient heuristic solutions for solving the problem. Our simulation results show that the heuristic solutions achieved near-optimal performance.

Part III Oral Sessions

Oral Session 1: Ad Hoc, Mesh and Wireless Sensor Networks

Chu Amorous 1, 3rd floor

14:00 – 17:30, Saturday, September 24

Paper ID	Paper Title	Author	Affiliation
90352	An Adaptive Multi-Path Routing Algorithm in Cognitive Wireless Mesh Networks	Guoan Zhang	Nantong University
90577	Distributed Asynchronous Reservation Multichannel MAC Protocol for Ad Hoc Networks	Xi Chen	Tsinghua University, China
90676	DCF Fairness Enhancement Algorithm for Multi-hop Wireless Ad Hoc Networks	Zhang Lei	National University of Defense Technology, China
91249	Error Analysis for Multi-dimensional Shannon Sampling Expansion	Peixin Ye	Nankai University
92238	Stochastic Network Utility Maximization over Time Averages	Liao Shengbin	Huazhong Normal University, China
92389	Stochastic Technique in Vehicular Ad-Hoc Networks Using Controlled Repetition Mechanism	Ghazal Farrokhi	Khaje ansir university, Iran
92495	Weighted Integrated Metrics (WIM) : A generic algorithm for reliable routing in Wireless Mesh Networks	Bijil Raj M. B	SSN College of Engineering, India
92022	IDVR :An Intersection Dispatch-BasedVANET Routing Protocol	Huijing Shi	Hefei University of Technology, China
90205	PCRLB-based Optimal Sensor Selection for Maneuvering Target Tracking	Zhigang Liu	Northeastern University, China
90573	Non-invasive Zigbee wireless controller for air-conditioner energy saving	Jesse Wang	National Taipei University of Technology
91582	A Variable Preamble Length-based Broadcasting Scheme for Wireless Sensor Networks	Arun Kumar	NTU, Singapore, Singapore
92013	An Adaptive Transmission Scheme Based on Emergency for Heterogeneous Network Convergence	Jinchen Wang	Zhejiang University, China
92282	Hybrid Model Design and Transmission Rate Optimize with Interference Temperature Constraints in Cognitive Radio Sensor Networks	Tao Zheng	Beijing Jiaotong University, China
92595	An Improved CDMA-Based MAC Protocol for Underwater Acoustic Wireless Sensor Networks	Guangyu Fan	Zhejiang University, China
93177	Wireless Sensor Networks Energy Based Protocol in medical Application	Samir El-Haddad	TELECOM & Management Sud Paris

Oral Session 2: Cognitive Radio Network

Chu Amorous 3, 3rd floor

14:00 – 17:30, Saturday, September 24

Paper ID	Paper Title	Author	Affiliation
91614	Frequency Shifted Frequency Reuse for LTE Heterogeneous Networks	Dajie Jiang	China Mobile Research Institute, Beijing, P.R.China
92004	Spectrum Sensing Based on Signal Sample Autocorrelation in Rayleigh Fading Channel	Bin Li	Yunnan University of Nationalities, China
90077	Prior Probability-Aided Secure Cooperative Spectrum Sensing	Dongfeng Zhao	University of Science Technology Beijing, China
92304	Improved Decision Thresholds for GLRT-Based Spectrum Sensing Schemes	Xi Yang	Jishou University, China
92580	Impact of Misbehaviors in Cooperative Spectrum Sensing for Cognitive Radio Networks	Kun Zeng	University of Electronic Science & Technology of China
90564	Evolution Game Based Spectrum Allocation in Cognitive Radio Networks	Qingyang Song	Northeastern University, China
92994	An Enhanced Synchronized MAC Protocol for Cognitive Radio Networks	Gyanendra Prasad Joshi	Yeungnam University, South Korea
93095	Cooperative Primary User Emulation Attack and Defense in Cognitive Radio Networks	Tianhong Yang	Zhejiang University, China
93125	Power Control Game-Theoretic Approach in Cognitive Radios Networks under Rician Fast-Flat Fading Channel with Pricing	Mahmoud Alayesh	JUST, Jordan
92491	Fair Resource Partitioning Between Cell-center and Cell-edge of FFR-based Multi-tier Wireless Access Networks	Akindele Segun Afolabi	Kobe University, Japan
91254	A Novel Dynamic Spectrum Access Strategy Applied to Cognitive Radio Network	Xuchen Liu	Xidian University
93120	Issues in Designing Joint Radio Resource Management Scheme for Heterogeneous Wireless Networks	Kamil Suleiman	University of Cape Town
91978	A Flexible and Compact Digital Front-end Design for Wideband Software Radio Receivers	Yu Han	Science and Technology on Communication Information Security Control Laboratory
90317	A new method of dynamic spectrum sharing based on bidding mechanism	Liang Ma	Nanjing University of Posts and Telecommunications, China

Oral Session 3: Multimedia, QoS and Reliability

Room 328, 3rd floor

14:00 – 17:30, Saturday, September 24

Paper ID	Paper Title	Author	Affiliation
91937	The Failover Performance of Multimedia Transporting by SCTP	Wen-Nai Wang	Nanjing Univ. of Posts and Telecomm., China
90687	Channel Aware Joint Optimization of Latency and Distortion for Image Communications	Longji Wang	Research In Motion, Canada
90320	A MCS Selection Strategy Based on Ordered Modulation for IEEE 802.11n System	Yan Wang	Key Laboratory of Universal Wireless Communication, Ministry of Education, China
91069	Service Reliability Analysis using Competing Risk Models	Sunil Kumar K	Cochin University of Science & Technology
93081	Improving Video Delivery over Wireless Multimedia Sensor Networks Based on Queue Priority Scheduling	Elham Karimi	student, Iran, Islamic Republic of
92218	Multicast Routing Algorithm Balancing Network Load Based on Immune Genetic Algorithm	Na Lin	Shenyang Aerospace University, China
90349	UL Performance Evaluation of Relay Enhanced FDD LTE-Advanced Networks	Wei Hong	Renesas Telecommunication Technology (Beijing) Co, .Ltd.
92536	An Online Fault Management method for Live Media Applications	An Yuyan	Northeastern University (Qinhuangdao)
92745	Performance Evaluation of Adaptive Compressed Spectrum Sensing for Wideband Cognitive Radio Networks	Jie Jia	Northeastern University, China
93003	Particle Swarm Optimization for Realizing Intelligent Routing in Networks with Quality Grading	T R Gopalakrishnan Nair	Dayananda Sagar College of Engineering, India
91895	Signal and Power Integrity Analysis of the SIAD Power/Ground Layer	Shi Yongrong	Nanjing University of Science and Technology, China
92628	Research and Implementation of Unified Communications System based on Elastix	Chong Li	Computer Network Information Center, Chinese Academy of Sciences

Oral Session 4: Space-Time, MIMO and Adaptive Antennas

Room 338, 3rd floor

14:00 – 17:30, Saturday, September 24

Paper ID	Paper Title	Author	Affiliation
90641	A Modified Two-erose-Ring Model for MIMO Mobile-to-Mobile Fading Channels	Wei Zhou	Wuhan University of Technology, China
90599	Closed-form Error Analysis of Decode-and-Forward Relaying over Non-identical Nakagami-m Fading Channels	Fang Liu	North China Electric Power University, China
92705	Space-Time Filtering for Parallel-Channel Reuse in UMTS Downlink Transmission	Ahmad Alamayreh	AlAhliyya Amman University Amman-JORDAN, Jordan
90596	Source and Destination Antenna Selection in MIMO Relay Systems	Guangchi Zhang	Guangdong University of Technology, China
90677	Multiuser Beamforming Optimization via Maximizing Modified SLNR with Quantized CSI Feedback	Wei Xu	National Mobile Communications Research Lab., China
90856	Extension of 4-Tx Precoding Codebook to 8-Tx Downlink Closed-Loop MIMO	Yongliang Zhang	Beijing University of Posts and Telecommunications, China
91615	Reliability Analysis of Combing Space-Time Block Codes and Opportunistic Scheduling in MIMO Rayleigh Channels with Channel Estimation Error	Huaming Wu	Harbin Institute Of Technology, China
91894	Joint Linear Transceiver Design for Uplink Multiuser Non-Regenerative MIMO Relay Systems	Chao Zhai	Xidian University, China
92303	Transmit Antenna Selection and Receive User Scheduling for the Downlink of Multi-user MISO Systems	Wenwei Bi	University of ElectronicTechnology of China
92679	An Iterative CFO Compensation Algorithm for Distributed Spatial Modulation OFDM Systems	Bin Zhou	Communications University of Electronic ScienceTechnology of China
92898	Lattice Reduction Aided Precoding Mechanism for MIMO Systems	Xiaoping Zhou	Beijing University of PostsTelecommunications, China
93115	A novel metric for measuring multiple antennas system capacity over energy consumption requirements	Maha Ben Zid	The university of Grenoble, France
93220	The Optimum Design of PIFA Based on HFSS and Genetic Algorithm	Yejun He	Shenzhen University
93158	On Radiation Modes of Anisotropic Plain Weave Textile Antenna	Houmin Li	Beijing Institute of Technology, China

Oral Session 5: Multi-Hop and Cooperative Communications

Chu Amorous 1, 3rd floor

8:30 – 12:00, Sunday, September 25

Paper ID	Paper Title	Author	Affiliation
90196	Relay Selection for OFDM Based Decode and Forward Cooperative Systems	Jiandong Li	Xidian, China
90354	Asymmetric Resource Allocation for Decode-and-Forward Multi-Relay Systems	Xu Zhu	The University of Liverpool, United Kingdom
90607	The Performance of Cooperative Distributed Space Time Block Codes (CDSTBC) in Wireless System	Jacqueline George	Sudan University of Science and Technology, Sudan
90612	Selection Relaying Protocols for Cooperative Communication Networks with Channel Estimation Errors	Doudou Samb	Huazhong University of ScienceTechnology, China
90634	Outage Probability of Two Hop Relaying with Interference at both the Relay and the Destination	Peisheng Pan	Nanjing University of Posts and Telecommunications, China
90644	Broadcast Enhanced Cooperative Asynchronous Multichannel MAC for Wireless Ad Hoc Network	Wan Yun Heng	Tsinghua University, China
90679	Bandwidth-Efficient Multi-user Cooperation with Optimal Transmission	Ying Huang	National University of Defense Technology, China
90813	Pilot Power Allocation of OFDM-Based AF Relay System	Bo Li	University of Electronic ScienceTechnology of China, China
92158	Robust Joint Beamforming for MIMO Relay Broadcast Systems With Limited Feedback	Wei Zhao	Beijing University of Posts and Telecommunications, China
92411	Channel Estimation Technique for Amplify and Forward based Wireless Relay Networks using BLUE Approach	M Prem Kumar	Thiagarajar College of Engineering, Tamil Nadu, India
92736	A Joint Precoding and Subchannel Selection Scheme for Cooperative MIMO Relay Systems	Ji Wang	Beijing University of Posts and Telecommunications, China
93272	Power Allocation for the Network Coded Cognitive Cooperative Network	Mohammed Shamim Kaiser	BRAC University, Bangladesh
91153	Analysis of Authentication traffic in next generation 3GPP LTE Networks	Masoumeh Purkhiabani	Department of Electrical Engineering Islamic Azad, Iran
93021	Outage Probability and Relay Selection in Bidirectional AF Relay Networks	Naeem Jan	Hanyang University Erica Campus South Korea, South Korea

Oral Session 6: Network Protocol and Performance

Chu Amorous 3, 3rd floor

8:30 – 12:00, Sunday, September 25

Paper ID	Paper Title	Author	Affiliation
90427	A Rapid and Reliable Disaster Emergency Mobile Communication System via Aerial Ad Hoc BS networks	Zhenhong Shao	Nanjing Telecommunication Technology Institute, China
91466	SC-FDMA-IDMA: A Hybrid Multiple Access Scheme for LTE Uplink	Xingzhong Xiong	Sichuan University of Science & Engineering
92115	On the distribution of calls for coalition operation support in a multiple integrated network environment	Xiuhua Fu	Shandong University of Technology, China
90371	An Traffic Optimization Allocation Algorithm for the Cooperation of WANs and WPANs	Lei Zhang	Beijing University of Civil Engineering and Architecture, China
90796	CCRM: A MAC Protocol with Cooperative Channel Reservation for Wireless Ad Hoc Networks	Yunjie Yuan	School of Electronics and Information, Northwest Polytechnical University, China
90802	HCRBT: a dual-busy-tone-assisted MAC protocol with channel reservation for Ad Hoc networks	Yi Chen	NWPU, China
92322	Performance Analysis of Uplink IFDMA in the Presence of Carrier Frequency Offsets	Jia Yang	University of Electronic Science Technology of China
93034	A Time-domain PTS Without Side Information in SC-FDMA Systems	Li Wang	University of Electronic Science Technology of China
92592	Strategies for a Solution Convergence Networks	Octavio Salcedo	Universidad Distrital Francisco José de Caldas, Colombia
92924	Intuitionistic Fuzzy Theory based P2P Trust Model	Li Yang	PLA University of Science and Technology, China
92975	A Reinforcement-Based Push-Pull Approach for Peer-to-Peer Live Streaming	Kwanjira Narkdej	Chulalongkorn University, Thailand
91104	A SVD based SRUKF Algorithm of Single Observer Passive Location	Song Hailiang	Harbin Engineering University
93049	Path Selection Based on Single Direction Delay Difference	Huan Yan	Beijing Jiaotong University, China

Oral Session 7: OFDM, CDMA and Spread Spectrum

Room 328, 3rd floor

8:30 – 12:00, Sunday, September 25

Paper ID	Paper Title	Author	Affiliation
90095	MMSE Estimation of Frequency Offset for OFDM	Yinsheng Liu	Beijing Jiaotong University
90223	A Modified Constellation Extension Scheme with Error Correction Capability for Peak-to-Average Power Ratio Reduction in OFDM Systems	Hsinying Liang	Chaoyang University of Technology, Taiwan
90319	An Improved Joint Time and Frequency Offset Estimation for OFDM Systems in Multipath Fading Channel	Qianqian Liu	Beijing University of Posts and Telecommunications
90786	A Detection Algorithm for STBC-OFDM/OQAM Systems	Guobing Cheng	University of Electronic Science and Technology of China, China
91554	Design and Implementation of Base-band Algorithms for OFDM-based Wireless Communication Systems	Xuncheng Zhu	Hefei University of Technology, China
92046	The Performance Analysis of AFH_OFDM System Based on Simulink	Fang Wang	National Key Laboratory of Science and Technology on Communications, China
92502	Peak-to-Average Power Ratio Analysis of DC-OFDM Signals and Its Reduction Method	Qi Liu	China Academy of Telecommunication Research of MIIT, China
92683	Interference Cancellation based Iterative Detection for OFDM Systems Over Time-Varying Multipath Channels	Xia Wang	xi'an jiaotong university, China
92808	The Study of OFDM ICI Cancellation Schemes in 2.4 GHz Frequency Band Using Software Defined Radio	Miftahur Rahman	North South University, Bangladesh
93059	Performance Analysis of Terrestrial Digital Video Broadcasting (DVB-T) in AWGN Channel using M-QAM	Muhammad Rizwan	University of Management and Technology
93102	A Novel Approach for System Modeling to Transmit Voice, Video and Data Using OFDM in FTTH Networks	Raj Bala Bala	PEC UNIVERSITY OF TECHNOLOG, India
92670	Time-varying Channel Estimation for OFDM Systems with Superimposed Training and Basis Expansion Model	Zhang Han	South China Normal University
90834	A Novel CIC Decimation Filter for GNSS Receiver Based on Software Defined Radio	Zaimin He	National Time Service Center, China
92665	Greater Sustained Throughput in IEEE 802.11 and Contention Elimination with DS-CDMA	Bryan Plass	Iowa State University, United States
90799	Improved EM-based H-infinity Channel Estimator for MIMO-OFDM Systems	Xu Peng	Northeastern University, China

Oral Session 8: Wireless Sensor Networks

Room 338, 3rd floor

8:30 – 12:00, Sunday, September 25

Paper ID	Paper Title	Author	Affiliation
91551	Power-Aware and Void-Avoidant Routing Protocol for Reliable Industrial Wireless Sensor Networks	Mohammad Reza Soltani	Amirkabir University of Technology, Iran
91739	ISM band Integrated Folded-Patch Chip-Size Antennas with slots for Wireless Sensors Applications	Reham Elsamnty	Electronics Research Institute (ERI), Egypt
91890	TRAML: Time-adaptive Range-boundary Aware Mobility-assisted Localization in Wireless Sensor Networks	Dianke Jiao	Liaoning University of Technology, China
92156	Energy Efficient and Fault Tolerant Multicore Wireless Sensor Network: E2MWSN	Hong-Ling Shi	Blaise Pascal University Clermont-Ferrand II, France
92188	Issues for Event Monitoring in Event-driven Wireless Sensor Networks	Lulu Liang	Beijing Jiaotong University, China
92229	An Energy-efficient Target Tracking Algorithm in Wireless Sensor Networks	Duoqiang Wang	Huazhong University of Science and Technology, China
92294	Issues of Trust Management for Mobile Wireless Sensor Networks	Junqi Duan	Beijing Jiaotong University, China
92554	An alternate data gathering method based on sparse random projections	Xiaoxia Song	Shanxi Datong University, China
92631	Requirement, Architecture, and Performance for DSRC in Vehicular Sensor Network	Linjuan Zhang	Beijing Jiaotong University, China
92769	A Distributed Node Localization Algorithm for WSNs Based on the Newton Method	Qingguo Zhang	Huazhong Normal University, China
93077	Improved LEACH Protocol for Wireless Sensor Networks	Naveen Kumar	Pec University Of Tech., India

Oral Session 9: Mobile Computing Systems and Applications

Chu Amorous 1, 3rd floor

14:00 – 17:30, Sunday, September 25

Paper ID	Paper Title	Author	Affiliation
91939	Design and performance testing of a FPGA based PTP system	Wen-Nai Wang	Nanjing Univ. of PostsTelecomm., China
92859	A Hybrid GA and Tabu Search Approach to Find Optimal Node Placement in IP Networks	Pongsarun Boonyopakorn	King Mongkut's University of Technology North Bangkok, Thailand
90323	A Joint Localization Scheme Based on IR-UWB for Sensor Network	Zhu Xiao	College of Information Science and Engineering, Hunan University, China
90758	A ToA-Based Location Algorithm Reducing the NLoS Error under Location-aware Networks	Yanlong Zhang	University of Sci.Tech. of China, China
91756	Wireless Mesh Networking for In-Network Processing of Low-cost GPS Devices	Hoang-Ha Tran	Nanyang Technological University, Singapore
92908	MOSIR: Mobile-based Segment and Image Retrieval	Akihiko Nakagawa	University of Electro-Communications
92917	Real-Time Automated Multiplexed Sensor System for Driver Drowsiness Detection	Maneesha Ramesh	V Amrita Vishwa Vidyapeetham, India
90284	Applying Wireless Camera to Emergency Traffic Control	Botao Zhu	Jiangsu University
92988	A Stochastic Traffic Assignment Model for Transportation Network	Koonlachart Meesublak	National Electronics and Computer Technology Center, Thailand
92670	Time-varying Channel Estimation for OFDM Systems with Superimposed Training and Basis Expansion Model	Zhang Han	South China Normal University
91568	A Write-Optimized B-Tree Layer for NAND Flash Memory	Xiaona Gong	Chongqing University, Chongqing, China
93096	C-VIEW: Collaborative VIEW by OptimallyPositioned Wireless Integrated Flying Robots	Maneesha Ramesh	V AMRITA Vishwa Vidyapeetham (AMRITA University), India
93299	TPOT: a Two-party Privacy-preserving Ownership Transfer Protocol for RFID Tags	Xi Yin	Institute of Computing Technology, Chinese Academy of Sciences
91674	A Scalable Passive RFID-Based Multi-user Indoor Location System	Shang Ma	Tsinghua University, China
91041	Secure trust delegation for sharing patient medical records in a mobile environment	Dasun Weerasinghe	City University
92509	Smart Border Routers for eHealthCare Wireless Sensor Networks	Wei Shen	Mid Sweden University, Sweden
92797	A Semi-Markov Survivability Evaluation Model for Intrusion Tolerant Real-time Database Systems	Changqing Chen	Huazhong University of Science and Technology, China

Oral Session 10: Network Security

Chu Amorous 3, 3rd floor

14:00 – 17:30, Sunday, September 25

Paper ID	Paper Title	Author	Affiliation
91599	An Integrative System for Deep Packet Inspection and Network Anomaly Detection & Defense	Hongliang Zhu	Beijing University of Posts and Telecommunications, China
91725	Intrusion Detection Using SVM	Wu Liu	Network Research Center of Tsinghua University
91974	Key Space of Cryptosystem based on Chebyshev Polynomials over Finite Field	Zhihui Li	Beijing University of Posts Telecommunications, China
92298	Research on Secure Multi-party Closest String Problem	Wen Liu	School of Computer Science, Communication University of China, China
92301	Effects of Interconnections on Epidemics in Network of Networks	Gaoxi Xiao	Nanyang Technological University, Singapore
92030	A New Key Exchange Protocol with Anonymity between STB and Smart Card in IPTV Broadcasting	Cheng-Chi Lee	Fu Jen Catholic University, Taiwan
90329	An Independent Trust Routing Framework based on Trust Topology Control	Zuhao Liu	Huazhong University of Science and Technology, China
92578	Quality of Service over IPV6 and IPV4	Octavio Salcedo	Universidad Distrital Francisco José de Caldas, Colombia
92906	Lightweight identity-based broadcast encryption over wireless ad hoc Networks	Chun Yuan	Tsinghua University, China
92956	On A Practical Distributed Key Generation Scheme Based on Bivariate Polynomials	Qian Wu	Minzu University of China, China
93067	Security Enhanced Authentication and Key Agreement Protocol for LTE/SAE Network	Xiehua Li	School of Information Science and Engineering, Hunan University
93089	Self-healing Key Distribution Scheme Based on the Key-Chain Tree in Unreliable Wireless Networks	Teng Long	Zhejiang University, China
93293	ProMix: Linux Promiscuous Wireless Packet Analysis	Hetal Jasani	Northern Kentucky University, United States

Oral Session 11: Signal Processing

Room 328, 3rd floor

14:00 – 17:30, Sunday, September 25

Paper ID	Paper Title	Author	Affiliation
91716	Wideband Doherty Power Amplifier for WiMAX Application	Mohammad Moghaddam Tabrizi	School of Electronic Computer, College of Engineering, Iran
92931	The Impact of Genetic Algorithm's Parameters on Random Interference Nulling for Circular Array	Weijun Cheng	Minzu University of China
90699	Joint decode-and-forward and cooperative jamming for secure wireless communications	Shuanglin Huang	Huazhong University of Science and Technology, China
91717	CMOS Linear High Performance Push Amplifier for WiMAX Power Amplifier	Mohammad Moghaddam Tabrizi	College of Engineering, Iran
91676	Two-way normalization of min-sum decoding algorithm for medium and short length low density parity check codes	Waheed Ullah	Nanjing University of Aeronautics and Astronautics, China
92673	Multi-edge Elimination-based Interleaver for LDPC-coded BICM Systems	Kangming Jiang	guangdong power grid corporation, China
90646	Construction of IRA-like codes with cycle optimization-constraint and modified extended quasi-cyclic structure	Jing Lei	National University of Defense Technology
90152	A Comma Detection and Word Alignment Circuit for High-speed SerDes	Zhen Yu	Institute of RF- & OE-ICs, Southeast University, China
92173	The performance analysis of dual-amplitude pulse position modulation for optical wireless communication	Jinni Chen	Xi'an Polytechnic University, China
92281	A 6.25Gb/s Decision Feedback Equalizer in 0.18 μ m CMOS Technology for High-speed SerDes	Zhuangjing Feng	Southeast University, China
90383	Differential Channels Combining Strategies for Galileo E1 Open Service Signal Acquisition	Kewen Sun	Hefei University of Technology, China
90388	An Interpolation-based Frequency Estimator Synthetic Approach for Sinusoid Wave	Song Jun	Nanjing forestry university, China
91626	Improve Measurement Results Using a Combined Prefiltering and Deconvolution Technique	Huajian Cui	Hangzhou Normal University, China
91925	An improved variable step-size LMS algorithm	Li Tingting	Jinan University, China
92320	Interferometry Measurement Wideband Correlation Signal Processing Method and Experiment Verification	Geshi Tang	Beijing University of Aeronautics and Astronautics, China
92101	A Tiling-Scheme Viterbi Decoder in Software Defined Radio for GPUs	Chih-Sheng Lin	National Chung Cheng University
92928	Feature Extraction of Underwater Signals based on Bispectrum Estimation	Xinxin Li	Harbin Engineering University, China
91913	Tracking Analysis of Affine Projection Filters to Carrier Frequency Offset	Zhu Yong-Gang	Nanjing Telecommunication Technology Institute, China

Oral Session 12: Wireless & Mobile Networking

Room 338, 3rd floor

14:00 – 17:30, Sunday, September 25

Paper ID	Paper Title	Author	Affiliation
90362	Analysis and Discussion of Mobile Group Communication for Passenger Dedicated Lines	Tao Wang	Beijing Jiaotong University, China
92974	Feature Selection for Mobility Pattern Recognition in Mobile Ad-Hoc Networks	Seyed Morteza Mousavi	University of Qom, Iran
93014	A graphical Study of the Timer Based Method for Location Management with the Blocking Probability	E Martin	University of California, Berkeley, United States
93084	New Algorithms to Obtain the Different Components of the Location Management Costs	E Martin	University of California, Berkeley, United States
93130	Characterization of the Costs provided by the Timer-based method in Location Management	E Martin	University of California, Berkeley, United States
90446	An Improved Polling Scheme for PCF MAC Protocol	Qianlin Liu	Yunnan University, China
90538	An overview of Congestion relief Methodologies in GSM Network	K.R. Sudhindra	PES College of Engineering
90754	Research on Mobile Switching Method based on Reverse Route Redirection	Jianwei Zhang	Zhengzhou University of Light Industry, China
91976	Locating the Optimal Sleep Window for Enhancing the Energy Efficiency of VoIP in WiMAX Systems: A Modified Analysis Model and Performance Evaluation	Lin Xiao-Hui	Faculty of Information Engineering, Shenzhen University, China
92176	Opportunistic and Fairness Scheduling Mechanism for Wireless Network Coding	Rui Zhang	Shanghai University, China
92349	Analysis on Propagation Characteristics of Highway Communication Using Hybrid FDTD and Ray-tracing Method	Zhuo Wang	Mechanical and Electrical Engineering College of Northeast Forestry University
92391	RADII: a Computationally Affordable Method to Summarize Urban Ray-Tracing Data for VANETs	Francesco Fileppo	Istituto Superiore Mario Boella, Italy
90899	Convert Wi-Fi Signals for Fingerprint Localization Algorithm	Le Duc Truc	Vietnam National University
91466	SC-FDMA-IDMA: A Hybrid Multiple Access Scheme for LTE Uplink	Xingzhong Xiong	Sichuan University of Science & Engineering
90505	A Novel Path Loss Model for High-Speed Railway Viaduct Scenarios	Ruisi He	Beijing Jiaotong University, China
93104	An Efficient Cache Replacement Strategy in Mobile Cooperative Caching	Thu Nguyen Tran Minh	University of Science, VNU, HCMC, Viet Nam

Part IV Poster Sessions

I: Wireless Communications (1)

3rd floor

8:30 – 12:00, Sunday, September 25

Paper ID	Paper Title	Author
90015	Podcasting in mobile WiMAX: A case study	Saurabh Kumar
90023	A Novel Detection Scheme for Selfish Misbehavior in WLAN	Zhao Zhongwei
90479	Interference Management with Macro-diversity	Weiwei Chen
90480	A New Relay Architecture for Interference Management and Capacity Enhancement	Weiwei Chen
90667	A Study of Spectrum Sensing Algorithm for Ultra High Speed WLAN	Yang Yang
90762	A Path Selection Scheme Designed for Best-Effort Data Delivery in IEEE 802.16j Networks	Kuo-Chih Chu
91043	User Experience Evaluation for TD-LTE Based on TUDR	Xianling Wang
91443	Access Network Selection Scheme for Beyond 3G System	Xueli Duan
91496	Investigation on Normalized Factor and Finite Word-length for 802.11n LDPC Decoding	Shaohui Zhang
91592	Fractional Frequency Offset Estimation Polarity Reversion Elimination for 3GPP LTE-A System	Guoqing Jia
91950	An Upward Priority Channel Preemption Scheme for Vertical Handoff in Cellular/WLAN Interworking	Jialin Cai
91997	Capacity estimation for multitraffic users in mobile WiMAX	Saeed Al-Rashdy
92315	EVM Measurement Method of PUSCH in TD-LTE System	Fatang Chen
92357	Performance Evaluation of Closed Loop Transmission for LTE-A Uplink MIMO	Wenshi Chen
92431	A Solution for Chinese Efficient Channelization in IEEE 802.11ac Wireless Network	Xuecheng Wu
92849	A Dynamic Adjusting Carrier Coverage-based Load Balancing Scheme in LTE-Advanced System Based on Carrier Aggregation	Ziheng Zou
92864	Center Frequency and Bandwidth Tunable Filter with Varactors	Yangping Zhao
92877	Optimization Design of Wideband Asymmetric Doherty Power Amplifiers	Like Cen
92903	Multi-Carrier TD-SCDMA Power Amplifier Linearization with a Memory Polynomial Predistorter	Ming Hui
92933	Linearization for TD-LTE Power Amplifiers Based on Memory Polynomial Models	Yi Peng
92955	Neural Network Based Vertical Handoff Performance Enhancement in Heterogeneous Wireless Networks	Rong Chai
92968	User/Application-Oriented Mobile Terminal Platform and Adaptive Network Selection Algorithms	Tao Dong
93026	The Simulation of WLAN Outdoor Coverage in Hot Spot Area for Wireless Digital City	Qun Hou
92771	Complexity-Adjustable H.264 Video Coding in Wireless Environment	Jun Zhang
93225	Resource Allocation for Downlink Control Channel in LTE Systems	Yonghui Chen
90158	A novel track correlation algorithm for radar data fusion	Wu Zemin

Paper ID	Paper Title	Author
92912	A Fusion Decision Algorithm based on Channel Estimation in Cognitive Radio System	Chao Dai
90081	Spectrum Sensing using Prior Probability Prediction	Dongfeng Zhao
90214	Optimization of Relay-based Cooperative Spectrum Sensing in Cognitive Radio Networks	Liangjun Zhang
90578	A Cooperative Spectrum Sensing Scheme Using Compressive Sampling	Dongfeng Zhao
90609	A Scheme of Cognitive Ultra-Wideband Transmission Waveforms Based on Gaussian Pulses	Limin Wu
90956	Dynamic Spectrum Access Based on the Multi-Features Model Clustering for Cognitive Network	Jupeng Li
91066	Hardware Implementation of MUSIC Algorithm for Airborne Digital Direction Finding System	Fan Wang
91134	Research on Channel Capacity of a MIMO Transform Domain Communication System	Zhang Yi
91207	Resource allocation based on linear waterfilling algorithm in CR systems	Jian Wu
91303	SVM-based spectrum sensing in cognitive radio	Dandan Zhang
91351	Development of WCDMA Channel Sounding Application Based on Sora	Zhou Tao
91354	Opportunistic Spectrum Access with Spectrum Heterogeneity in Cognitive Networks	Yang Miao
91414	A Novel Energy Detection Scheme to Improve Detection Sensitivity in Cognitive Radio Systems	Guicai Yu
91419	Phototropism Based Distributed Cooperation Spectrum Sense in Cognitive Radio	Xu Jin-Yong
91660	A Design of Multi-frequency High-frequency Radar Receiver System	Fan Wang
92259	Facilitating Current Terminals Accessing to Cognitive Radio Networks	Leng-Gan Yi
92325	Optimization of Log-likelihood Ratio Test based Cooperative Spectrum Sensing in Cognitive Radio Networks	Shengliang Peng
92514	Antenna Selection for Cognitive Radio Systems	Lizhen Chen
92828	A Cyclostationary based Signal Classification Using 2D PCA	Sungjeen Jang
93031	Cooperative Spectrum Sensing Algorithm Based on Network Coding in Cognitive Radio Systems	Xueqiang Zheng
93063	Determinant of the Sample Covariance Matrix Based Spectrum Sensing Algorithm for Cognitive Radio	Kejun Lei
90728	Aggregation Node Selection for Cooperative Spectrum Sensing in Cognitive Radio Networks	Shiwei Huang
90872	A Distance-weighted Algorithm Based on Maximum-minimum Eigenvalues for Cooperative Spectrum Sensing	Chenxi Liu
91173	Research on key management mechanism of cognitive radio networks	Li Zhu
90794	Adaptive Multi-user Proportional Fair Scheduler for Orthogonal Random Beamforming in MIMO systems	Li Tan
91336	Processing Gain of Dynamic Spectrum Anti-Jamming Systems	Yichao Zhu
90969	Successive Interference Cancellation for Distributed Space-Time Coding in Cooperative Cellular Systems	Luodan Liu
91007	Coordinated Precoding in Multi-cell Scenarios with Interference CSI only	Jiqing Ni

Paper ID	Paper Title	Author
91185	Opporutunistic Relaying with Limit Feedback in Two-way Relaying over OFDM with Subcarrier Mapping	Liu Yaqin
92548	The Fairness Resource Distribution Algorithm for OFDMA System	Chaoyi Zhang
90192	Capacity Analysis of CDMA System Supporting Data Services	Rui Ni
90384	Constructions of ZCZ Sequences over 16-QAM Constellation Based on Binary ZCZ Sequences	Fanxin Zeng
90461	An Improved SLM Scheme with Superimposed raining Sequence for PAPR Reduction in OFDM System	Luo Renze
90463	An Estimation Rotation Factor PTS Scheme with Superimposed Training Sequence for PAPR Reduction in OFDM System	Luo Renze
90484	PAPR reduction of OFDM using a novel concatenated PS-PTS method	Feng Zhuoming
90560	Research on Pilot-Aided Channel Estimation Techniques in OFDM System	Zhenchuan Zhang
90569	Design and Performance Analysis of An Improved Decoding Algorithm for Turbo Codes	Zhenchuan Zhang
90735	PAPR Reduction in OFDM: SLM-based Scrambling without Explicit Side Information for PSK Inputs	Lingyin Wang
90841	An Improved SLM Method Based on Split Preference and Four-dimensional Hyper-chaotic Sequences	Yi Sun
91444	A New Synchronization Scheme of Double-PN DSSS QPSK System	Gao Yu
91687	Novel Synchronization Algorithm for Flexible Sub-carrier OFDM System	Kanghui Dong
91777	Joint Improved Nyquist Pulse Shaping and Clipping for PAPR Reduction of OFDM Signals	Min Zhang
91824	QoS-driven resource allocation scheme for the OFDM amplify-and-forward relay system	Gaofei Huang
91848	Combined Estimation of Power Allocation and Channel in OFDM –based Opportunity Spectrum Access System	He Heng
92823	A Novel Time and Frequency Synchronization Algorithm for LTE System	Xiaowen Li
92949	A Novel PAPR Reduction Method for Advanced Wireless and Mobile OFDM System	Xiaochun Wang
93071	Research of Relationship of Wireless Energy Efficiency and Spectrum	Wanqing Wen
93076	Interference Simulation from LTE to Digital Terrestrial Television	Yixun Chen
90580	A Cooperative Bandwidth and Power Allocation Strategy Based on Game Theory in Multi-Relay Networks	Fan Jiang
90144	A Load Balancing Relay Selection Algorithm for Relay Based Cellular Networks	Fan Jiang
90622	Enhanced Clear Channel Assessment based on statistical characteristics	Weilin Xu
90808	Subcarrier Allocating Algorithm in MB-OFDM UWB System	Shibing Zhang
90837	Interference Management Based on Differential Games in User-centric Networks	Lina Liu
90840	Interference Management Based on Enhanced Fractional Frequency Reuse in OFDMA Networks	Lina Liu
91382	Adaptive Transmission Strategy for Two-way Relaying Using Physical-Layer Network Coding	Du Haiming
91452	Reuse Partitioning in Cellular Network with Two-Hop Fixed MIMO-OFDMA Relay Nodes	Ngoc Van Nguyen

Paper ID	Paper Title	Author
91454	An Efficient Proportional Resource Allocation Algorithm in MIMO-OFDMA Systems	Jie Zhao
91934	Multiple Utility Factors-based Parallel Packet Scheduling for Broadcast/Unicast in BWM Systems	Min Wang
92093	Power allocation based on system capacity under cooperative communication systems	Liu Wenkai
92881	A Dynamic Channel Allocation Strategy Based on TD-SCDMA Trunking System	Zheng Guo
92964	Uplink Channel-aware Scheduling Algorithm for LTE-Advanced System	Fang Liu
92966	Hierarchical Power Game with Dual-Utility in Two-Tier OFDMA Femtocell Networks	Zhenglei Huang
92347	Network Neutrality in the US	Yuan Xu
91113	Sinusoidal Modulation Gaussian Pulse Used in UWB SATCOM	Yong Wang
90650	BER Improvement of TH-PAM UWB Signal Based on Empirical Mode Decomposition (EMD) in AWGN Channel	Jianmin Xu
91590	Modified MRC Detection Scheme with Spatially Coloured Noise	Lei Zhu
91807	Low complexity channel estimation method of MIMO-OFDM for LTE downlink	Bing Deng
92035	Design and Implementation of Interference Signal Generator	Yingtao Niu
93012	Implement of Efficient Channelized Receiver Based on FPGA	Wenxu Zhang
90190	A Spatial Multiplexing Beamforming Scheme for Multicasting to Cooperators	Jingling Feng
90229	Optimization Design of Rectangular Waveguide to High-Power Overmoded Circular Waveguide Mode Converter	Yongzhong Zhu
90291	Improved Analysis of Co-channel Interference Suppression for WHT-STC-OFDM Systems	Hong_Jun Jiang
90499	Space-Time Algorithm for Software Defined Antenna	Xin-Min Wang
90853	A survey on radiation pattern reconfigurable antennas	Dong Jia Wei
90910	Synchronous and Asynchronous Game Theoretic Analysis for Multiuser MIMO Systems	Brima Fallah
91322	Adjustable reduced metric-first tree search	Xinyu Mao
91361	Novel Method to Calculate Rank Indicator in LTE Systems	Shupei Lei
91439	A Non-full Spreading Full-diversity Full-rate STBC Design for Multiple Antennas BICM-ID Systems	Xingliang Yin
91481	On the design of Quasi-Orthogonal Space-Time-Frequency Block Code over MIMO OFDM Channel	Eman S. Abass
91586	SAGE Channel Estimation And Data Detection Joint Algorithm For MIMO System	Jing Shen
91746	Impact of Spatial Correlation of Fading on the Channel Capacity of MIMO Systems	Xiaochuan Yu
92063	A Novel Precoding Selection Algorithm in MIMO Systems	Fatang Chen
92197	An Energy-efficient Cluster-based Cooperative MIMO scheme using Network Coding	Zhiqiang Xiong
92210	Design and Analysis of the New Rectangular Planar Smart Antenna	Kong Xi
92236	Mutual Impedance of Plasma Antennas	Bo Yin
92462	SER Performance Analysis for Jointing Network Coding and Space Time Codes in DF Relay System	Junfeng Shi

Paper ID	Paper Title	Author
92472	Immune-Clonal-Selection-based Minimum-BER Detection in Multicode STBC-MIMO Systems	Binbin Xu
92558	Performance of MIMO-OFDM Systems with Phase Noise at Transmit and Receive Antennas	Li Juhu
92710	The Analyzation on the Performance and Complexity of Sphere Decoding Algorithms	Mingwei Mo
92843	SVD Based Sphere Detector for MIMO Channels	Heng Yao
92980	A Novel Direction Finding Method Based On Compressed Least-Squared Regression	He Xiang
93262	Complex Orthogonal Space-Time Block Codes Rates 5/13 and 6/14 for 5 and 6 Transmit Antennas	Satyanarayana Nimmagadda

II: Wireless Communications (2)

3rd floor

8:30 – 12:00, Sunday, September 25

Paper ID	Paper Title	Author
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Paper ID	Paper Title	Author
90344	The Communication Performance of Individual Soldier Radio with a Carrier Frequency of 2.4 GHz	Xiaogang Huang
90395	A Modified Method for Predicting the Radio Propagation Characteristics in Tunnels	Minghua Jia
90397	A Novel Method to Predict the Wideband Characteristics of MMW Propagation in Tunnels	Minghua Jia
91407	Performance Analysing of Channel Models for Urban Micro-cell Communication Environment Based on Electromagnetic Scattering Theory	Wei Ruan
91515	A Novel Method Based on Particle Filter for Rayleigh Channel State Estimate and Tracking	Qiuping Zhu
92415	The Modeling and Prediction of the Receive Quality under Single Frequency Networks for DTMB System	Wenbo Ding
91579	A Robust Spatial DPI Suppression Algorithm for GSM-based Passive Detection System	Jianxin Guo
92692	Research on a Novel FDE-NP Scheme of SC-FDE System	Zhi Yang
90233	Construction Method of LDPC Codes Used For Satellite Interactive System	Liu Chunjiang
90268	Performance analysis of three kinds of non-coherent detectors for ultra-widebandCommunications	Jian Pan
90631	Performance Study on Convolutional Coded MSK Systems	Zhijun Zhang
90661	Network coding from Algebraic Curves	Hu Wanbao
90810	A Precoding Scheme for STBC-VBLAST System	Zhenchuan Zhang
90887	Optimization Design of Memory Polynomial Coefficient Look-Up Table Predistorter Algorithm	Zhengdai Li
90902	A New Joint Memory Polynomial and Look-Up-Table Predistorter Algorithm Design	Zhengdai Li
90970	Cyclic Codes Over Finite Rings	Qian Jianfa
91038	Hybrid BCH-RSC codes	Sina Vafi
91086	Optimization of Bilayer Lengthened QC-LDPC code for Relay channel Based on Differential Evolution	Hua Xu
91105	Relay Selection with Constellation Rearrangement for Superposition Modulation Cooperative Relay	Lindong Wu
91363	Application of NDLMS Algorithm in Demodulation for DPSK Signal	Zeng Chun
91374	Design and Implementation of a SoC-based single chip radio transceiver	Yue Ruan
91562	Information Transmission on Complex Field Network Coding for Single-Source Multi-Destination Scenarios	Wang Jing
91606	Modified APP-Based Decoding Algorithm For Low-Density Parity Check Codes	Xinran Wang
91652	A New Algorithm without Exponential and Logarithmic Computations in Iterative Decoding for Double Binary Convolutional Turbo Code	Ming Zhan
91664	Analysis and simulation of Error Concealment Technology on Wireless Video Communication	Weidong Li
91706	Performance Comparison and Analysis of PSK and QAM	Mingxin Tan
92027	Reliability Gain of Network Coding in complicated network topology	Jian Huang
92122	Designs of Bhattacharyya Parameter in the Construction of Polar Codes	Shengmei Zhao
92309	Construction of LDPC Codes for Coded Cooperative Relay	Zhuzhe Shen

Paper ID	Paper Title	Author
92366	Efficient Degree Optimization for High-rate Structured QC-LDPC	Zhaoxia Zheng
92393	Near-Log-MAP decoding for Turbo Product codes	Chen Guo Tai
92792	Adaptive Hierarchical Modulation and Power Allocation of Cooperative Relay	Lindong Wu
93029	A Joint Soft Sparse Encoding Scheme for Relay System	Qin Zhang
90526	Achievable Rate for Discrete Memoryless Relay Channel with All Three Full Duplex Nodes	Fei Lang
91180	Design and Analysis of 802.11-Based MAC Protocol in Multi-Relay Wireless Networks	Jia Li
91221	Power Allocation of Multi-users Based on Optimal Power Allocation Algorithm in Uplink Base Stations Cooperative System	Chunyuan Liu
91325	PERFORMANCE ENHANCEMENT OF AODV OVER DSR ON DEMAND ROUTING PROTOCOLS – ASPECT OF PACKET SALVAGING IN AODV	Abdul-Fatau Adam
91899	Performance Analysis of Relay Selection for Bi-directional Cooperative Network	Sha Wei
92728	The Simulation and Analysis of Three Cooperative Diversity Schemes	Lianxiang Zhu
92803	DSR Optimization in Trusted Multi-hop Ad hoc Networks Adopting IEEE 802.11 Technology	Xiang Zhang
90433	A Construction Method of Strict-optimal Optical Orthogonal Codes Based on O-plus Matrix	Qi Li
90774	Research on Construction of Optical Orthogonal Code Pairs Based on Sequence Pairs	Qi Li
91119	A Novel Topology Aggregation Algorithm in Multi-QoS Restricted Multi-Domain Optical Networks	Mingming Cai
91390	Design and Analysis of Gain-flattened Raman Amplifiers with Novel Highly Nonlinear Photonic Crystal Fibers	Dong Wang
90751	A Terminal-Controlled Network Access Selection Scheme for Multi-Radio Access Networks	Wenhao Fan
91494	Soliton Expressions and Transmission in Nonlinear Medium	Yuan Zhao
91575	A Fast Fourier Transform-based Channel Estimation Algorithm for MLSE equalization in Optical System	Lei Yu
92141	The analysis and simulation of digital power amplifier based on midpoint sampling method	Zhao Weiwei Zhao Weiwei
90165	A Novel Broadband ROADM for Optical Network	Kan Yu
90246	An Efficient Web Search Algorithm based on Differential Evolution and Hyperlink Structure	Lili Yan
90959	A novel routing algorithm of SRLG constraints with conditional failure probability in mesh optical network	Wu Runze
92170	In-service Measurement of Fiber Fault in WDM-PON	Jingjing Liu
92185	Research on OFDM-ROF System at Millimeterwave Band Employing Optical External Modulator Generation	Zhe Kang
92542	Availability Estimation of FTTH Architectures based on GPON	Yinghui Qiu
92785	A Novel Optical Network Model for Resource Balance and Congestion Reduction	Shanshan Lin
90114	Design and Development of Monitoring and Data Acquisition System of PDA-based GPS Receiver	Lei Guo

Paper ID	Paper Title	Author
90316	GNSS Code Tracking in Presence of Data	Kewen Sun
90513	Waveguide Slot Antenna Design and Optimizing that uses a Neural Network	Jin Li
90628	A New Antenna Arraying Method Based on Data-Aided Synchronization	Fei Yao
90701	Hardware constrained LEO satellite DS signal partial-band parallel acquisition method	Xingyu Fan
90801	Acquisition of BOC(n, n) with Large Doppler	Aihua Wang
91428	A New Solution to GNSS Receiver Baseband Signal Processing SOC Platform Based on OpenRISC Processor	Bi-Sheng Wang
91634	Study on Converter Path delay vary with Temperature in TWSTFT	Hong Zhang
91671	The Study on RF Inter-Satellite Links	Majinling Majinling
92110	A new FQPSK with ideal BER performance	Zhe Song
92214	A novel PCB power planes design with an EBG structure used to eliminate the SSN	Kong Xi
92623	Application of Fountain Code to GPS Navigation Data Structure Design	Meng Wu
93205	A Novel Multipath Mitigation Scheme for GNSS BOC Signals	Hui Xu
93281	A satellite routing algorithm based on optimization of both delay and bandwidth	Deng-Yin Zhang
90083	Joint Orthogonal Coding and Modulation Scheme for Soft Information in Bi-Directional Networks	Sha Wei
90148	Evaluate the Convolution Integral and Convolution Sum Use Compact formula	Bin Ren
90312	The Algorithm for Deep-Space Weak Signal Tracking Using A Modified Kalman Filter	Aihua Wang
90386	The Research of Monte Carlo Localization Algorithm Based on Received Signal Strength	Qingliang Shao
90449	Construction of Contactless Power Feeding System for Ocean Buoy	Jie Lin
90467	Design of Bandpass Filters Using Miniaturized Stepped-impedance Resonators	Lin-Chuan Tsai
90552	Multidimensional Parameters Estimation for Bistatic MIMO Radar	Jian Gong
90694	The Constant Norm Algorithm based on the Soft Decision Feedback Equalizer	Zhu Tingting
90967	A Novel Structure for Adaptive Blind Channel Equalization	Dehui Yang
90987	The transmission capacity of UWB WSN based on non-coherent detection	Genjian Yu
91024	Optimal Resource Allocation of Orthogonal Relay-eavesdropper Channel	Ying Chen
91088	Performance of MB-OWDM UWB in Rayleigh Fading channels	Surya Narayana Murthy Tummala
91099	Frame-Based Adaptive Compressed Sensing of Speech Signal	Xu Qian
91196	Estimation Research on the RCS of a Complex & Electrically Large Size Target	Hu Shengliang
91258	Stability and instance optimality in compressed sensing with regard to some measurement matrices	Peixin Ye
91293	An Improved Algorithm for Blind Signal Separation Based on Maximum Likelihood Criterion and Quasi-Newton Method	Zhu Yi-Yong
91314	Study on Coexisting Interference Detecting Algorithm for Ultra-wideband Communications	Lei Jiang
91372	Singular Value Decomposition-Based Algorithm for Noise Suppression of TH-PAM UWB Signal in AWGN Channel	Jianmin Xu
91394	Research on Fitting Telemetry Apparent Velocity by Particle Swarm Optimization Algorithm	Dong Yuhua

Paper ID	Paper Title	Author
91448	Iterative Channel Estimation and Turbo Equalization Using ICI Cancellation for MIMO-OFDM Systems	Gong Guoqiang
91503	A Non-Reconstruction Method of Compressed Spectrum Sensing	Weigang Wang
91538	Distributed Event-Region Detection Based on Indicator Kriging in Wireless Sensor Networks	Xue Zhang
91658	Performance Analysis of Soft Information Cooperation in Bi-directional Networks	Sha Wei
91700	An energy detection based on cyclostationary	Demin Han
91809	Design of point to multi-point wireless communication system based on ZigBee	Tingting Meng
91866	A novel video based vehicle detection algorithm and its application	Zhang Geng
91966	A Novel Time-frequency Method of Harmonic Signal Extraction in Chaotic Secure Communication System	Er-Fu Wang
91993	The Simulation of AOA Estimation Using Double Patterns with Partial Overlapping in the Software of Wireless Insite	Leng Wen
92088	Research the Diversity Reception Based on the Theory of FRFT	Huanjiong Zhang
92417	Propagator Method for DOA Estimation Using Fourth-order Cumulant	An Li
92424	Performance Analysis of TDD System in Channel Estimate	Wang Yanwen
92487	Real-time Subspace Tracking Algorithm Based on Multistage Wiener Filter	Wensen Shi
92551	An Improved Two-stage Acquisition Algorithm in DSSS	Yunzhi Zhan
92571	A Modified Channel Estimation Based on SVD in LTE-Advanced Systems	Lifa Liu
92574	Fractional Fourier Series Analysis of Gaussian Pulse Chirp Signal	Fan Yu
92609	Embedded Image Compression Using Differential Coding and Optimization Method	Li Zhu
92721	High-Performance Deblocking Filter Design and Implementation for AVS HDTV Application	Qing Chen
92788	Joint Multiuser Detection and Channel Estimation for DS-UWB Communication Systems	Wei Wang
92806	Optimum time interval selection of ISAR Imaging of Ship Target	Long Zhang
93139	A Sparseness-Controlled Improved Proportionate Affine Projection Algorithm	Hai-Bin Yang
93183	A Data Selective Segment Proportionate Affine Projection Algorithm for Echo Cancellation	Jun Xu
90180	A 5.15-5.825GHz CMOS down-conversion mixer for WLAN 802.11a	Xu Qianlong
90216	Design of Wireless Data Transmission System Based on Si4421	Yaolin Zhu
90235	A Bandwidth Allocation Scheme Based on QoS in Satellite Networks Using Directional Antennas	Yuan Li
91005	3.5 GHz to 10.0 GHz Mixers of High Gain and Good Isolations	Hsin-Chia Yang
91245	Symbol Error Probability and Channel Capacity for Multiuser Diversity of Amplify-and-Forward Cooperative Networks	Hu Junhong
91410	A Novel Multicell Cooperative Scheduling Scheme	Kai Sun
91422	Network Coding for Two-Way Relaying over AWGN Channels using Soft Detection	Ahmed Hassan
91720	Design of Digital IF Measuring Receiver with Auto-tracking	Si Chaoliang
92427	Study of the social Network's impact on college students purchasing behavior	Yong Liu
92837	A Relay Algorithm Based on Power Control and SINR Evaluation for Two-hop OFDM Cellular Networks with Fixed Relay Stations	Zhang Qiuping

Paper ID	Paper Title	Author
92962	Combined optimization of Spectrum Handoff and Spectrum Sensing for Cognitive Radio Systems	Xiaoyu Qiao
92996	A UWB Positioning Scheme Based on Bp Neural Network in NLOS Environment	Xiuzhen Wang
93294	Comparative Analysis on TEK Exchange between PKMv1 and PKMv2 for WiMAX	Fan Yang
93295	The Relationship between Transformational Leadership and Leader-member Exchange in different culture: A Meta-analysis	Yu Xiaomin
93296	Study on Enhancing Performance of Ad Hoc Trust Model with Family Gene Technology	Tiefang Wang
93298	In-Situ Soil Moisture Sensing: Efficient Random Sensor Placement and Field Estimation using Compressive Sensing	Xiaopei Wu
93301	SiGe heterojunction bipolar transistor and its applications in microwave communication systems	Sumei Jia
93302	Review and Perspective of Markov Network Information Retrieval Model	Lixin Gan

III: Network Performance, Security and Applications

3rd floor

14:00 – 17:30, Sunday, September 25

Paper ID	Paper Title	Author
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Paper ID	Paper Title	Author
90793	A research on unified peaking regulation of nuclear power stations and pumped storage power stations	Yun Miao
90927	Comparative Analysis on MIMO Antenna Configuration of High-speed Railroad System	Zhang Mengshu
90072	Location Shift Algorithms in Open pit Based on GPS	Shunling Ruan
90105	Research on a Predictive Model of the Customer Churn	Fang Xu
90491	GPRS DTU Software Design Based On C/OS-II Operating System	Li Qi
90698	Synthesizing CDR Technology for MMS in Packet Switching Network	Yinghe Wang
92074	Application of XML parser in Wireless Networking	Miao Zhang
92872	High-Accuracy Bias Control Software for Doherty RF Power Amplifiers	Juan Zhang
90426	A Distributed Adaptation Management Framework in Content Delivery Networks	Jie Ding
90937	Accuracy Verification of Location Base Protocol Mechanism.	Olarn Wongwirat
90102	The Design and Implementation of Mine Mobile Information System based on Android	Bojia Lin
90405	A New Mobile Streaming System Base-on Http Live Streaming Protocol	Can Yang
91002	Automatic Reminder System of Medical Orders based on Bluetooth	Hong-Jin Wang
92014	Research of mobile map service for smart phone based on Mobile SVG	Dian-Lai Wang
92213	Online-to-mobile trust transference: an empirical investigation	Wang Wei Lv
92441	A Model for Field Data Collection and Transmission in e-Science Applications	Gang Qin
92626	Design Of Portable Heart Rate Acquisition Instrument Bases On Bluetooth Transmission	Hong-Jin Wang
93074	Application of Wireless Direction-Finding Communication in Target Searching	Gaoshun Song
91138	A Design Based on Data Transmission of Circuit Switching Manner	Jianbin Xue
90747	Temporal Bandwidth Resource Allocation for Surveillance Video Transporting	Jiajian Yu
91490	License Plate Location Based on Combinatorial Feature	Yanqing Zheng
91628	The integration adjacent frame difference of improved ViBe for foreground object detection	Yongqiang Li
91965	Application of GMM in the speaker identification system	Zeng Chun
92614	The Design and Implementation of DSRC Protocol-Based ETC data-communication Embedded System	Xiaolin Yi
92776	A Novel Vehicle-to-Infrastructure Communication System Providing Triple Play Services Based on Radio-Over-Fiber Technique	Wei Nai
91794	Fingerprint Identification System Based on SOPC	Qingqing Fu
92650	An Improved Resource Scheduling Algorithm Based on the PSO in Mobile Grid	Wu Runze
90139	Image indexing using shape feature	Qian Zhao
90981	A design of wide-band power amplifier for wireless communications	Wenbin Zeng
91031	An Efficient Image Segmentation Method Based on Fuzzy Particle Swarm Optimization and Markov Random Field Model	Guoying Liu
91165	A Rate-distortion Rate Control Algorithm Based λ -Domain for Video Coding	Xiaoping Huang
91733	Image retrieval using visually significant points	Shan Zhao
92310	A Low Complexity Rate Control Algorithm for Portable Applications	Meng Guo
92531	Multi-Service Overlay system model for Multimedia Content Distribution	Tan Xiaoqiong
92890	Adaptive Packetization Mechanism for Video Transmission over Wireless Networks	Ting Yu
90783	The Research of CMMB Wireless Network Analysis Based on Data Mining Association Rule	Guoping Lei
91318	A Performance Analytical Model for MPEG-4 Video Quality over WLANs	Yao Xinwei
92285	Mutlicore and Optimization of Video Coding in Network Media	Li Zhu
90061	Research on Tibetan web sensitive information detection and warning	Xiaodong Yan

Paper ID	Paper Title	Author
90070	Research on Fast Scalable Implementation of Elliptic Curve Cryptosystem on NIST Prime Field	Guicheng Shen
90122	Watermarking Algorithm for Vector Point Clusters	Haowen Yan
90412	A Security Framework for Mobile Network based on Security Services and Trusted Terminals	Mingfu Xue
90587	A TCP Congestion Control Model Based on Congestion Event Classification	Yongwei Wang
90686	Fully-homomorphic Encryption Based SPIR	Hong Zhong
90789	Research on improved dynamic security LAN	Yongli Tang
90861	A New Secure OpenID Authentication Mechanism Using One-Time Password (OTP)	Huping Wang
90939	The novel frame boundary detection and fast frame synchronous structure for 10 Gb/s Ethernet Phy FEC sub-layer VLSI implementation	Lijun Zhang
91210	Audio Watermarking based on statistical moment in wavelet domain	Cairong Li
91246	Network Static Voltage Stability Analysis Based On Sensitivity Analysis	Dai Ting
91819	On Defense and Detection of SQL SERVER Injection Attack	Qian Xue
91865	Novelty P2P Flow Analysis System	Qun Wang
91882	Enhancing Personal Information Security on Android with a New Synchronization Scheme	Changhao Ai
92284	Research on IP Address Replacement Technology Based on iptables	Xuanmin Lu
92319	On the design of a family of CI pseudo-random number generators	Jacques M. Bahi
92379	Certificateless Directed Signature Scheme	Zhongmei Wan
92476	The Improvement of TB-Massey Trellis Algorithm for Linear Codes	Zhiliang Zhu
92516	Heterogeneity-aware routing protocol in overlay network	Hong-Jun Ju
92581	Dijkstra's Algorithm Model Over MPLS / GMPLS	Octavio Salcedo
93135	The Research of Electronic Evidence Admissibility and Evidential Power Based on Bayesian Network	Shaobing Wu
93233	Application of the Hybrid Arbitrated Digital Signature Scheme in CSCW	Zhen Yu
90162	One-lane Traffic Flow Simulation Model based on Imaginary Slope with Changing Tail Length	Guoxin Xue
90257	Research on suppressing angle glint of complex target	Zhenyu Zhou
90288	A Fast Method for DOA Estimation of Coherent Signal from Sparse Signal Reconstruction Perspective	Ren Xiao_Li
90591	A Video Objects Classification Method Based on GLDM and SVDD	Mingsheng Chen
90756	Stability and Global Hopf Bifurcation of a class of Neural Network Model with Delay	Xiaojia Wang
90914	A Novel Hyperchaotic System and its Synchronization Based on Neural Network	Bing Qi
90921	Millimeter wave Propagation Characteristics Trough Turbulent Atmosphere Near the Ground	Qingfang Zhang
91033	Digital Watermarking Technique for Images Based on DWT	Yongping Zhang
91215	Application of Estimating Based on Use Cases in Software Industry	Qiudong Yu
91217	Design and Implementation of Expert online video intelligent diagnosis system Based on IPv4/IPv6 dual-stack	Qiudong Yu
91401	Improvement of Structured P2P Routing Algorithm Based on NN-Chord	Chao Fan
91764	Exploration of IPv6 Network Construction on Campus	Wang Zhenqi
92053	Research and Design of Terrain Aided Navigation System	Yu Liu
92075	Game Analysis on R&D Choices	Guoyong Ma

Paper ID	Paper Title	Author
92134	An empirical study on inexperienced online consumer's window shopping behavior in China: a trust analysis model	Hong Gu
92231	The Research of Detection Guiding Technique in Embedded System	Qi Li
92362	A Bandwidth Allocation Algorithm and Its Performance Analysis Based on IEEE 802.16d Standard	Xiaoyu Zhang
92420	Multiple Keywords Model on Sponsored Search Auction	Yan Li
92434	Experimental Measuring of Beam Phase Aberrations for A Side-Pump Passive Q-Switched Laser	Zhang Xiang
92436	Pricing Scheme for Limiting Strategic Bidding on Sponsored Search Auction	Yan Li
92636	Optimization for Weight Design of the E-government Development	Yuming Wang
92688	The Improvement Of LaserMeter Background light Interference	Guolin Wang
92711	The Preemption and Reservation Mechanism-based Admission Policy for Multi-Priority Grid Operating	Yanfeng Liang
93174	A New Face Detection Method with GA-BP Neural Network	Chen-Rong Huang
90510	Improving of load-balanced self-routing switch by network code	Xu Ning
90705	Power ICT Network QoS Evaluation based on AHP	Chen Xiang
91604	Node Importance Evaluation Based on Triangle Module for Optical Mesh Networks	Run-Ze Wu
91816	Research on WebGIS Performance Optimization	Xiaofang Zhang
91878	SELF-ORGANIZING LOAD BALANCING FOR NETWORK MEASUREMENT SERVER CLUSTER	Xiao-Liang Li
91908	Modeling IEEE 802.11 DCF under Nonsaturated Condition with Coupled Queues Effect	An Song
92018	Performance Analysis of Queues with Batch Poisson Arrival and GE service	Wei Li
92043	QoS Requirements of GSM-R for Locomotive Synchronization Operation and Control Service	Wenyi Jiang
92526	M2M-Oriented QoS Categorization in Cellular Network	Rongduo Liu
90817	Double Latch Pre-Charge Sense Amplifier in Non-Volatile Memory for Wireless Applications	Josh Yang
90857	An Information-upload Approach with Low Power Consumption for A RFID-WSN Smart Node System	Zhiyong Luo
91748	Design and Implementation of Smart Equipment Management System Based on RFID	Jingyu Wang
91929	Smart Recording of Traffic Violations via M-RFID	Omid Nejati
92198	Design and Implementation of Smart Equipment Monitoring System Based on ARM and RFID Technology	Ning Li
92276	Applications of IoT to Reverse Supply Chain	Xueqi Xu
92336	Design Verification and Measurement Techniques for UHF RFID Tag IC	Kai Xu
92599	Analysis of Dead Zone By Mathematical Methods	Hongsheng Zhao
92729	A New Simulation Platform for UHF RFID Tag Development	Liyang Chen
92731	Optimal Dynamic Frame-Slotted Aloha(ODFSA)	Mian Hammad Nazir
90283	A Strong Terminal-Coupling Characterized MSNS Architecture	You Guoyi
91107	Spatial-community Resource Discovery Based on Spherical Migration in Mobile P2P Network	Yang Wang
91199	The Design of an 8-bit CISC CPU Based on FPGA	Yunjie Zhang

Paper ID	Paper Title	Author
91299	SMF: A Novel Lightweight Reliable Service Discovery Approach in MANET	Xi Zhou
91891	Similar Web Services Discovery and Matching based on P2P and Topic Model Learning	Li Xia
92446	Implementation of Internet of Things Oriented Data Sharing Platform Based on RESTful Web Service	Meng Wang
92818	The federated Service-Oriented Integration Framework for large engineering system design	Li Guo
90654	Summary of Smart Grid Technology and Research on Smart Grid Security Mechanism	Minghan Zou
93240	Study on Mobile Commerce Authentication System	Yan Li
93253	A Survey on QoS-Aware Dynamic Web Service Selection	Yangguang Liu
93305	Analysis and Application of EAP_AKA for IEEE Standard 802.16e	Fan Yang
92332	The design and implementation of an intelligent anti-theft system based on Zigbee	Zhao Lv
92468	OpenGL-based cloud computing model of three-dimensional visualization of the mine	Wei Huang
93186	Construction Method of Boolean Functions Based on Genetic Algorithm	Chunlin E
93231	Rapid Deployment Wireless Text Messaging Network for Disaster Relief	Houmin Li
90675	The Performance Analysis of Anti-reconnaissance Based on Carrier Aggregation & Frequency Hopping Communication System	Shao Lianjie
91209	Analysis and Improvement of Two-Factor Authenticated Key Exchange Protocols in Public Wireless LANs	Chuangui Ma
91981	An Energy Considering RBAC Model for Wireless Sensor Network	Song Wen
92080	Key Management Scheme based on Threshold for Heterogeneous Wireless Networks	Xinying Wang
92148	PA-SIP: A Privacy-Aware SIP for VoIP over WMNs	Hui Lin
93019	Key Management for Large Ad Hoc Networks	Fengxiu Gao
91693	The Design and Realization of Telecom Value-added Service Platform SP Management Subsystem	Fan Cuixiang
92981	An ANT based Wireless Body Sensor Biofeedback Network for Medical E-Health Care	Alf Johansson
90239	Multi-Antenna TDM Localization System based on Passive UHF RFID	Lu-Hong Mao
92989	WISION- Wireless Interface System for Interpretation of Ocular symbols from People with Neuromuscular Diseases	Maneesha Ramesh

IV: Wireless Network and Protocols

3rd floor

14:00 – 17:30, Sunday, September 25

Paper ID	Paper Title	Author
90161	A Survey on directional antenna networking	Wu Zemin

Paper ID	Paper Title	Author
90183	A Probability Based Multicast Routing Protocol with Energy Constrained for MANET	Xu Zhenqiang
90431	Research on Routing Algorithm for Mobile Ad Hoc Networks Based on Node Degree Theory	Junquan Song
90457	A New Improvement On DSDV	Jia Lu
90998	On Traffic Flow Diversity over IEEE 802.11 Ad Hoc Networks	Yanyi Xu
91036	RATE: A RSU-Aided Scheme for Data-Centric Trust Establishment in VANETs	Aifeng Wu
91040	A Cooperative Ad Hoc Routing Based on Cluster	Yong Li
91071	Research on the Minimum Repeaters for WirelessSensor Networks based on the Gene Algorithm	Liu Banteng
91089	Attack Source Traceback based on Stable Topology in MANET	Lili Zhang
91273	An Improved Hybrid Location-Based Routing Protocol for Ad Hoc Networks	Dan Luo
91386	A Hierarchical Wireless Routing Protocol for Multi-Channel Multi-Interface Ad Hoc Networks	Hang Jin
91769	A K-hop Cluster Maintaining Mechanism for Mobile Ad Hoc Networks	Xufeng Ma
91813	QoS-Aware Routing with Rate Adaptation in Wireless Mesh Networks	Baogang Li
91875	A Grouped Sphere Decoding Method for Virtual MIMO System in Clustering Ad Hoc Network	Gan Luan
91885	A Routing Algorithm for Supporting Soft-Qos in Mobile Ad hoc Networks	Xiaon'an Feng
92361	A Cross-Layer Adaptive Cooperative MAC Protocolfor Wireless Ad Hoc Networks	Shi Chunguang
92367	Location Aided Multi-constrained Ant Colony QoS Routing Algorithm for Tactical MANETs	Qingsong Du
92494	Delay Remaining Energy for AOMDV Protocol (DRE-AOMDV)	Mohamed Tekaya
92541	A Trust Model Based on Bayes Theorem in WSNs	Zhiyuan Liu
92596	AODV Protocol Optimization Based on Cross-Layer Design of WMN	Jihong Shi
92802	Analysis of DSDV & AODV for Disaster Management System in Coal Mines	Chetan B M
92857	A Cross Layer QoS Design Model for Mobile Ad Hoc Networks	Rong Geng
92946	QoS based performance evaluation for MANETs	Heng Luo
90099	Travelling Production Line Path Problem on Digraphs with Parameterized TriangleInequality	Tongquan Zhang
91174	The Virtual Antenna of Measurement Report Based Methods for Wireless Location	Gai Ling
91513	Probabilistic Data Association Algorithm Based on Modified Input Estimation	Guang-Nan Zhang
91760	TD-SCDMA baton handoff strategy based on fuzzy control theory	Xuan Luo
92066	Research for SDL and TTCN-based EMM testing	Xiaowen Li
91921	Applications of Complementary Sequences with Multi-Width Zero Cross-Correlation Zone in Multi-Carrier CDMA Systems	Zhenyu Zhang
92118	User-oriented network selection in heterogeneous integrated networks	Jiazheng Wang
93131	A Gateway Discovery Method for MANET Accessing Internet Based on Overhead Control	Xin Li
90249	An SPC-based Adaptive RTO Algorithm	Weifeng Zhao
90951	A classified AIMD congestion control scheme in IP networks	Kai Mao
91345	Design and FPGA Verification of Dual-speed Adaptive Ethernet Controller	Min Qian
91426	A Fully Distributed P2P Communications Architecture for Network Virtual Environments	Yan Wang
91834	To Minimize SACK Option Space by Using Segment-based Algorithm	Xin Cui

Paper ID	Paper Title	Author
91931	Retransmission Policy Performance For Concurrent Multipath Transfer In Dynamically Changing Channels	Fenghua Wang
92358	Fairness Comparison Based on Queue Schedule between Fast and Reno	Wei Liang
92513	HASR:Structured Routing in Mobile Grid	Li-Juan Du
92546	An Optimal SACK Scheduling Mechanism for Concurrent Multi-path Transport Schemes	Xin Cui
93267	The research and design of remote power monitoring system	Jianyi Lin
91028	A complex fire monitoring system based on Ethernet	Tian Deng
91457	On Minimizing Delay for MHWN Based on Multi-hop Activity Estimation	Qiang Kan
91683	Study on distribution characteristics of network traffic based on wavelet and entropy	Nan Lu
92228	A New MPLS Fault Restoration Algorithm Based on Simulated Annealing and Tabu Search	Na Lin
93237	Mobile Commerce Security Model Construction Based on SMS	Yan Li
90752	Performance Analysis and Comparison of Mobile Instant Messaging Frameworks	Lingling Li
91018	Third-Party AAA Framework and Signaling in UCWW	Dmitry Tairov
91169	Redesigning Transport Layer Architecture for Future Internet	Miao Xue
91367	A Large Scale Domains Resolving System	Xiaofeng Liu
91424	RMap: An Algorithm of Virtual Network Resilience Mapping	Yang Yu
91855	A P2P flow Identification Model Based On Bayesian Network	Jin Fenglin
92449	Net Neutrality Paradox: Regulator's Dilemma	Khalid Rafique
90071	The Methods of Frequency Plan in GSM	Haiyang Zhang
90341	The Research and Simulation Realization of PoC Service based on TD-SCDMA Network	Ma Dawei
90598	Simulation of VANET in a More Realistic Scenario	Lv Peng
90898	Study of Multi-Hop Hybrid Selection/MRC Diversity in Multi-Hop Virtual Cellular Network	Wang Jinpeng
90933	Efficient Scalable Clustering Scheme for Pseudolinear Mobile Ad hoc Network	Mahda Amjad
90943	A Topology Control Algorithm for mobile Nodes Used in Coal Face	Shan-Shan Ma
91058	Medium Access Control Protocols in Wireless Sensor Network	Haiyang Zhang
91228	MARM: Mobility-aware Routing Mechanism in Mobile Grid	Li-Juan Du
91539	A Certificateless Key Management Scheme in Mobile Ad Hoc Networks	Lu Li
91947	Interference Known Network Coding Aware Routing Metric in Wireless Network	Shenghui Wang
91984	Improving Throughput and Fairness in Multi-hop Wireless Mesh Networks Using Adaptive Contention Window Algorithm (ACWA)	Jalaa Hoblos
92058	Analysis of mSCTP Handover in Crossover Mobility Patterns	Qijia Zhang
92201	load control algorithm in tdsdma trunking system	Yang Wang
92270	Mobile phone Road Administration Law Enforcement System Design based on J2ME	Bin Xu
92290	A New Wireless Broadcasting Retransmission Algorithm Based on Multiple Nodes Network Coding Technology	Xuanmin Lu
92442	Performance Analysis on Direct Transmission Scheme under RWP Mobility Model in DTMSNs	Chong Wang
92538	HIP Based Mobility Management for Heterogeneous Networks	Yinghui Qiu
92651	An Estimating Method for nodes Meeting Time under social ubiquitous network	Yi Lu
92798	Research and Implement of PPP and TCP/IP Protocol based on GPRS	Wang Ershen
93274	Comparison of Three Scheduling Scheme in Multi-cells Cooperative Systems	Kai Sun
93308	The Application of Multiple Care-of Addresses Registration to Network Mobility Basic Support Protocol	Ruoshan Kong

Paper ID	Paper Title	Author
90308	The Research and Implement of Air Quality Monitoring System Based on ZigBee	Wenhu Wang
90540	Design of the FPGA-Based Wireless Sensor Network Sink Nodes	Guoyi Zhang
90720	SRMAC: Staggered Routing-Enhanced MAC Protocol for Wireless Sensor Networks	Guangchi Liu
90765	Research on DTN based Interconnecting ZigBee Network Techniques	Liu Xinyu
90926	Design of FPGA-based Multimedia Node for WSN	Yan Sun
90973	PUF-based Node Mutual Authentication Scheme for Delay Tolerant Mobile Sensor Network	Kuiwu Yang
90985	Cooperation-based Scheduling Algorithm in Wireless Multimedia Sensor Networks	Bo Zeng
91014	Performance Evaluation of Localization Algorithms with Measurement Errors in WSNs	Erdun Zhao
91046	Wireless Data Collection of Surface Electromyography Signals	Yuting Zhu
91054	Collaborative target tracking based on energy consideration in WSNs	Jian Zhang
91288	Spatial Correlation in Wireless Sensor Networks for Monitoring Application	Xun Li
91296	A Traffic-aware MAC protocol based on dynamic contention windows in Wireless Sensor Networks	Xiaodong Wang
91360	Research on one ZICM2410-based Wireless Sensor Network for Landslide Monitoring	Honghui Wang
91406	Design of the reduced encoding rule for wireless sensor networks management	Wenbo Zhang
91453	The Coverage and Connectivity of Repeaters	Liu Banteng
91471	Research on Congestion Control Routing Algorithm for Mobile Ad Hoc Networks Based on Node Degree Theory	Liu Banteng
91499	Quality of service support for event detection in wireless sensor networks	Fu Lin
91635	The Topology Construction Power Control Algorithm based on Birthday Paradox in Wireless Sensor Network	Hu Zhang
91643	Credibility Problems and Tradeoff between Realistic and Abstraction in WANET and WSN Simulation	Dong Yu
91740	Towards Trust-based Security Mechanism for Wireless Sensor Networks	Jianqiao Gao
91771	Design of the Wireless Sensor Nodes Based on CC2430	Sujian Zhao
91772	Software Design of a Simple Wireless Sensor Network System Based on CC2430	Sujian Zhao
91951	An Integrated Mobile Wireless-Network Platform Supporting WSN and Ad Hoc Network	Shanbo Wang
92060	A Novel Framework of Defense System Against DoS Attacks in Wireless Sensor Networks	Xi Ouyang
92062	A Price-based Optimal Routing Algorithm in Wireless Sensor Networks	Mina Emamjomeh
92079	Random Linear Network Coding With Cooperating In Wireless Sensor Network	Jin Tao
92151	A Novel Service-oriented Network Structure in Wireless Sensor Networks	Hong Luo
92162	6LoWPAN stacks: a survey	Yibo Chen
92190	Clustering Routing Protocol based on Fuzzy Inference for WSNs	Rencheng Jin
92384	A Solution of Orphan Problem in ZigBee Tree Network	Xiu-Wei Yang
92396	A Coal Mine Environmental Monitor System with Localization Function Based on ZigBee-Compliant Platform	Dongxuan Yang
92460	An Improved Dynamic Coalition Generation Based on Ant Colony Algorithm for Target detection in Wireless Sensor Network	Xiaofei Bao
92484	FUMOR :FUZZY Multi-hOp Routing for Wireless sensor network	Mohammad Mahdi Tajari
92562	LEDO: Location-based Distribution Energy Optimization protocol in wireless sensor networks	Jie Xu

Paper ID	Paper Title	Author
92629	A Novel Localization Algorithm Based on RSSI for Wireless Sensor Networks	Xuyang Ding
92674	Survey on the Connectivity and Coverage in Wireless Sensor Networks	Mantian Xiang
92700	DGCCF: Data Gathering based on Closeness Centrality Forwarding in Opportunistic Mobile Sensor Networks	Jianwei Niu
92706	A Multi-information Localization Algorithm in Wireless Sensor Networks and its Application in Medical Monitoring Systems	Pei Ziyang
92759	Sleep-Wakeup mechanism of belt sensor network for fence anti-intrusion	Xin Chen
92848	On Wireless Sensor Networks Formal Modeling Based on Petri nets	Xiao Fu
92863	Research of a system for monitoring body posture based on wireless sensor networks	Tao Hu
92895	CFGGA : Clustering wireless sensor network using fuzzy logic and genetic algorithm	Esmail Saeedian
92961	A Low-Energy Adaptive Clustering Routing Protocol of Wireless Sensor Networks	Peng Ji
93054	A Hierarchical Online Reprogramming Method of Wireless Sensor Networks	Yadong Wan
93167	Development of Wireless Magnetoresistive Sensor Network for UXO and Landmine Detection	Houmin Li
93198	Research on the routing protocol based on grid clustering	Jun Lv
93208	A Network Coding Based Data Dissemination Scheme For Wireless Sensor Networks	Tao Shang
93248	Research of real-time optical intensity sensing system with wireless sensor network	Yong Huang

Part V Instructions for Presentations

Oral Presentation

Devices Provided by the Conference Organizer:

- Laptops (with MS-Office & Adobe Reader)
- Projectors & Screen
- Laser Sticks

Materials Provided by the Presenters:

- PowerPoint or PDF files

Duration of each Presentation (Tentatively):

- Regular Oral Session: 12 Minutes of Presentation, 3 Minutes of Q&A
- Plenary Speech: 35 Minutes of Presentation, 5 Minutes of Q&A

Poster Presentation

Materials Provided by the Conference Organizer:

- X Racks & Base Fabric Canvases (60cm×160cm, see the figure below)
- Adhesive Tapes or Clamps

Materials Provided by the Presenters:

- Home-made Posters

Requirement for the Posters:

- Material: not limited, can be posted on the Canvases
- Size: smaller than 60cm×160cm
- Content: for demonstration of the presenter's paper

Requirement for the Presenters:

- Stand beside his (her) Poster through the Session, and discuss with the readers about his (her) paper



Part VI Hotel Information

About Hotel

ChuTian Guangdong International Hotel is located in NO.181 East Lake rode, Wuchang district. The hotel is near East Lake ecological scenic spot, neighboring provinces, provincial museum, art

museum and ChuTian 181 culture creativity garden, so that the culture atmosphere is extremely strong. The traffic is very convenient. There is only 5 minutes away to provincial government. After the completion of the Wuhan avenue, it only takes within 30 minutes from hotel to airport, station and wharf.

Address: No.181 Eastlake Road, Wuchang, Wuhan, Hubei, P.R.China

URL: <http://ctyh.cnhubei.com/>

Tel: 86(27) 86628888

Fax: 86(27) 88066000

How to Get to the Hotel

From the Tian He Airport:

Take a taxi to NO.181 East Lake rode, Wuchang district, Wuhan (Time: 90 minutes)

From the Wuchang Railway Station:

Take a taxi to NO.181 East Lake rode, Wuchang district, Wuhan (Time: 20 minutes)

From the Long Distance Bus Station:

Take a taxi to NO.181 East Lake rode, Wuchang district, Wuhan (Time: 20 minutes)

(The above traffic information is for your reference only)

For non-Chinese author, please show the following info to the driver if you take a taxi:

请送我到:

武汉市武昌区东湖路 181 号楚天粤海国际酒店

Part VII Contact Us

Organizing Committee

E-mail: wicom@scirp.org

Telephone: +86-13264702250

Secretary: Ms. Zhang