

WiCOM 2009 Conference Program

Thursday, September 24, 2009 (09:00—17:00)

Registration

Beijing Friendship Hotel

Friday, September 25, 2009, Morning (08:30--12:00)

Opening Ceremony & Keynote Speech

Beijing Friendship Hotel

Friday, September 25, 2009, Afternoon (14:00--17:30)

Oral Session 1: MIMO and OFDM

Beijing Friendship Hotel

ID	Title
42394	Performance Analysis of MIMO Ad Hoc Networks with Finite Rate Feedback and Imperfect CSIT
42441	A Simple and Accurate Approximation to the SEP of MIMO-MRC Systems With Channel Estimation Error in the Presence of Cochannel Interferences
42373	Analysis on Effective SNR loss of Space-Time Block Coded MIMO system with channel estimation error
42133	A Fast Encoding Algorithm for a MIMO System with Finite-bit Feedback
42239	Pedestrians Effects on Indoor MIMO-OFDM Channel Capacity
40435	MIMO-OFDM Synchronization Algorithm Based on three-dimensional chaotic system
40550	Feedback Reduction based on Clustering in MIMO-OFDM Beamforming Systems
42070	A CME Based Channel Estimation Approach for MIMO-OFDM Systems
41461	Windowed DFT-Based OFDM Channel Estimation by Adding Virtual Channel Frequency Response
41732	An Improved Channel Estimation Algorithm for OFDM Systems with Virtual Carriers
40867	Performance analysis of IRA codes for underwater acoustic OFDM communication system
41080	Uplink Multi-Cell Non-Cooperative Power Allocation Game Algorithm for OFDMA Cellular Networks
42128	Predictive Resource Allocation for Multicast OFDM Systems
41014	A Low Complexity PTS Phase Coefficient Searching Algorithm for OFDM System
40051	Error Vector Magnitude Measurement Accuracy and Impact on Spectrum Flatness Behavior for OFDM-based WiMAX and LTE Systems

Oral Session 2: Cognitive Radio**Beijing Friendship Hotel**

ID	Title
40722	A Coordinated Channel Reservation MAC Protocol for Dynamic Spectrum Access Networks
40426	A Setting Method and Performance Evaluation of Adaptive Sensing Threshold Based on Power Detection of the Primary User
40551	Very Low Complexity Variable Resolution Filter Banks for Spectrum Sensing in Cognitive Radios Using Multi-Stage Coefficient Decimation
40890	Comb-type Pilot Aided Channel Estimation in Non-Contiguous OFDM Systems for Cognitive Radio
41116	cooperation spectrum sensing using optimal joint detecting
41119	spectrum Sensing Opportunities in Cognitive Radios
41173	Chaotic Characteristic Based Sensing for Cognitive Radio
41844	An Enhanced Method for the Quiet Period Synchronization of IEEE 802.22-based Networks
41854	New Spreading Codes for Spectrum Sharing by MC-CDMA Structure in Cognitive Radio Network
41943	Energy Detection for Spectrum Sensing in Cognitive Radio Sensor Network over Fading Channels
42136	Anderson-Darling Sensing of Existence of Unknown Signals in a Fading Channel
42214	An Interference Mitigated and Power Efficient Adaptive Beamforming Algorithm in Cognitive Radio
42386	Evolutionary Schemes for Cognitive Radio Adaptation
42429	Cognitive Radio based Multiple Access Algorithm for Differential Frequency Hopping Network
42497	On Flow Management for Future Multi-Hop Mobile Radio Networks

Oral Session 3: Signal Processing (1)**Beijing Friendship Hotel**

ID	Title
42337	Performance Analysis of LDPC codes for Invariance of Channel Estimation
42247	Joint VBLAST/STBC Assisted MC DS/CDMA System with Multiuser Detection
42356	Low Computational Algorithm for Space Time Coded System with LDPC codes
40821	A parallel layered decoding algorithm for LDPC codes in WiMax system
40542	Dynamic Network Coding Problem: An Evolutionary Approach

40801	UEP-LDPC Codes with High Spectral Efficiency in Image Transmission
42153	A Deterministic Method for Choosing Search Radii in Sphere Decoding
42333	Design Methodology of Concatenate Code for extended RS combined with Rotational Invariant TCM code
42443	An Approach of Eliminating Duplicate Associates in Fountain Codes
42479	Multi Layer Perceptron Neural Networks Decoder for LDPC Codes
41280	Optimum Power Loading with Arbitrary Square MQAM for OFDM Systems
40544	Study on the Identification Method of Wavelet Packet Modulation Signals
40661	New Constructions of ZCZ Sequence Sets Based on Affine Transformations
41276	An Improved SLM Method Based on Chaotic Phase Sequences
42458	Analysis of Performance for DCSK over Rayleigh Fading Channel

Oral Session 4: B3G and 4G Systems, RFID

Beijing Friendship Hotel

ID	Title
42340	Channel Equalization for Filter Bank Based Transmultiplexer System for Wireless Communications
40031	A New Resource Planning Algorithm for Data Service
40707	An Improved Exponential Distributed Power Control Algorithm for MIMO Cellular Systems
41115	A Heuristic Reduced Complexity Computing Method for Multi-cell Joint Channel Estimation in B3G TDD System
41581	Joint Power and Rate Allocation Algorithm with MMSE Receiver for MC-CDMA Systems
42096	Dynamic Subcarrier and Power Allocation in LTE Networks
42183	Adaptive Power Control for 4G OFDMA systems on Frequency Selective Fading Channels
42490	A Multi-Classes-based Algorithm to Provide Flexible QoS Services in B3G Networks
40256	An Improved Lightweight RFID Protocol Using Substring
40410	A RFID Anti-Collision Algorithm Based on Slot Time
40932	Pulse detection based anti-collision protocol for passive RFID system
41398	Tag Identifiable Probability Study While Reader Collision Occurs
41753	Shunt Resistance Variation for a Constant Power Supply in UHF RFID Tags
42141	An Enhanced 2-Pass Optimistic Anonymous RFID Authentication Protocol with Forward Security
42187	A RFID Decoder Using a Matched Filter for Compensation of the Frequency Variation

Oral Session 5: Sensor Networks

Beijing Friendship Hotel

ID	Title
40216	An electrostatic field- based coverage-enhancing algorithm for wireless multimedia sensor networks
40292	EBAS: An Energy-Efficient Event Boundary Approximated Suppression Algorithm in Wireless Sensor Networks
40809	The Analysis of Changeable Medium Environment Wireless Sensor Networks
41450	MSS: A Multi-level Data Placement Scheme for Data Survival in Wireless Sensor Networks
41722	An Energy-Efficient Balanced Clustering Algorithm for Wireless Sensor Networks
41875	An Optimized Algorithm for Approximate k-NN Queries in Wireless Sensor Networks
42201	Jammer Localization in Wireless Sensor Networks
42219	PFMA: Policy-based Feedback Management Architecture for Wireless Sensor Networks
42230	Unequal error protection based on symmetric Slepian-Wolf coding in wireless sensor network
42236	An Estimation Approach for Uniformity of Node-Distribution in Wireless Sensor Networks
42245	An Improvement of GAF for Lifetime Elongation in Wireless Sensor Networks
42276	Based on Adaptive Variable Rate Particle Filter Tracking Research in Wireless Sensor Networks
42369	Distributed Optimization Based on Utility with Delay Constraints in Wireless Sensor Networks
42402	Cluster Reconstruction Strategy based on Energy Prediction Mechanism in Wireless Sensor Networks
42415	RAFH: Reliable Aware Frequency Hopping Method for Industrial Wireless Sensor Networks

Oral Session 6: Network Protocols

Beijing Friendship Hotel

ID	Title
41920	QoS Performances of IEEE 802.11 EDCA and DCF: A Testbed Approach
40649	A Finite Retry Limit Analysis of Contention Based Bandwidth Request Mechanism for IEEE 802.16
42186	A Delay-tolerant MAC Protocol with Collision Avoidance for Underwater Acoustic Networks
42404	Congestion Control for Efficient Transmission in ZigBee Networks
40814	Performance Comparison of Entropy-based Multipath Routing Protocol

41292	A Conditioned Forwarding Algorithm for On-Demand Multicast Routing Protocol
40416	Resource-effective and Accurate WLAN Infrastructure Design and Localization Using a Cell-structure Framework
42437	Study on Topology Design for Large Scale Service Overlay Networks
42277	A Cooperative Vertical Handover Algorithm in Integrated Wireless and Mobile Network
42339	Coordinating Fast Handover and Route Optimization in Proxy Mobile IPv6
41242	ICM: A Novel Coding-aware Metric for Multi-hop Wireless Routing
42208	A Simulation Package for Hot-spot Traffic Relief in WCDMA Networks
42281	A Novel Single Copy Replication Routing Strategy for Delay Tolerant Networks
40102	Simulation-based Estimate of QoS for Voice Traffic Over WCDMA Radio Links
41027	Estimating Internet Path Properties for Distributed Applications

Saturday, September 26, 2009, Morning (08:30—12:00)

Oral Session 7: Signal Processing (2)

Beijing Friendship Hotel

ID	Title
40286	Performance Study of RSS ML Detection with Imperfect Channel and Noise Estimates
41473	Sphere Decoding Assisted GA-based Multiuser Detection for Synchronous LAS Multicode System
41686	A Multiuser Detector based on Schur Algorithm
40517	Analysis on Codebook Based Precoding and Eigen Based Beamforming in UTRAN LTE
41611	An Approach to Voice Conversion Based on Non-Linear Canonical Correlation Analysis
42300	Two DTV Signal Processing Schemes for the Transmission of Wide Color Gamut Video Signal
40103	Peak-to-Average Power Ratio Reduction by Combining Selective Mapping and Golay Complementary Sequences
40354	Study on Range Positioning based on Single Vector Sensor
40850	A Parallel Differential Correlation Acquisition Algorithm in Time Domain
40876	An Improved DOA Method for Single Acoustic Vector Sensor
40942	Algorithm Based on PRI Transform for Estimating the Scanning Periods of Phased Array Radar

41163	Phased-array Radar Beam Tracking and Predicting
41332	Dual-Stream Beamforming Based HARQ Schemes for LTE-Advanced System
41590	Noncircularity-Rate Maximization: A New Approach to Adaptive Blind Beamforming
42320	Signal Processing Algorithm of Spaceborne SIMO HF-SAR for Three-Dimensional Topside Ionosphere Exploration

Oral Session 8: Antenna and Circuit

Beijing Friendship Hotel

ID	Title
40064	Design of A Novel UWB Band-Notched Microstrip Slot Antenna
41224	Analysis of antenna mutual coupling in the X-type polarization diversity system
41725	Single Antenna Spatial Diversity
42148	On the Implementation of Digital Intermediate Frequency Transceiver for DMR System
42483	High Efficiency RF Power Amplifiers with Dynamic Biases for TD-SCDMA Systems
40125	Adaptive Filter by using Sparse Partial Update Extended Correlation LMS Algorithm in the Double-Talk Condition
41110	A Robust Digital Phase Discriminator in One-Bit Quantized Software-Defined Receivers
41737	A 900-mV Area-Efficient Source-Degenerated CMOS Four-Quadrant Multiplier with 10.6-GHz Bandwidth
42477	PCB Ground-Parasitic Effects on a WiMAX Low-Noise Amplifier RFIC
40288	Broadband Printed-Circuit Yagi Array
41406	Highly Linear Low-Noise Amplifier Design Using an Out-of-Band Termination for WiMAX Applications
41680	A Novel Design of Tunable Band-Stop Filter Using MEMS Technology
41746	Array Pattern Synthesis Via Sparse Weight Vector Finding and Convex Programming
41776	A 3.1 – 4.8 GHz CMOS UWB Power Amplifier Using Current Reused Technique
42417	High Performance Digital Carrier Tracking Loop Design for High Dynamic GPS Receiver

Oral Session 9: B3G and 4G Systems

Beijing Friendship Hotel

ID	Title
41602	Joint Allocation of Frequency and Space Resources for a Cooperative OFDMA Cellular System

42145	A New Two-user Cooperative Transmission Scheme with Low-complexity FDE in SC-FDMA Systems
42282	Throughput Analysis of Slotted ALOHA with Cooperative Transmission
42473	Cooperative Communication Based on IDMA
42162	The Implementation and Optimization of TD-SCDMA Joint Detection and Decoding
40197	On the Optimal System Configurations of Two-hop Relay Network
40907	Dynamic Frequency Reuse Scheme for Wireless Multi-hop Relay Networks
42146	Outage Probability of Space-Time Coded Decouple-and-Forward Relaying over Nakagami-m Fading Channels
42312	Optimal Capacity Analysis in the Cooperative Relay System
42241	Route Selection Strategies in Cellular Networks with Two-hop Relaying
42412	Study of Radio Frequency Synchronized Switch for TD-SCDMA Repeater Station
40556	Distributed and Centralized Scheduling in Multi-hop Cellular System
41248	Coordinated Multiple Points Transmission for LTE-Advanced Systems
41267	Uplink Coordinated Multi-Point Reception for LTE-Advanced Systems
41623	Two-level Buffer State Report Scheme for 3GPP LTE System

Oral Session 10: Ad hoc, Mesh and Sensor Networks

Beijing Friendship Hotel

ID	Title
42430	HCRS: A Routing Scheme for Ad Hoc Networks as a QoS Guarantee Primitive
41277	Secure Route Selection Based on Trust Territories for Ad Hoc Networks
41529	A Reliable Dynamic Source Routing based Cluster Label in Mobile Ad hoc Networks
41684	AODV with Lower Routing Overhead
41750	Improving Data Dissemination in MANET
41859	Resource Reservation for Voice Support in MANETs
42137	An Energy-Aware Geographic Routing Algorithm for Mobile Ad Hoc Network
42464	BREAC: Broadcast Routing Based on Edmonds Algorithm for Ad Hoc Networks with Asymmetric Cost Model
40172	A Banyan-Tree Topology for Railway Wireless Mesh Network
40536	Cross-Layer Congestion Control for Multi-Channel Wireless Mesh Networks
41482	An Experimental Study of the Impact of Using Multi-Radio in WLAN Mesh Networks

42433	Achievable Error Bounds on Localization with Wireless Sensor Networks
42440	Scan-line IP Assignment for Wireless Sensor Networks
42456	A Power-aware Layering Optimization Scheme for Wireless Sensor Network
42487	Pushing Sensor Network Computation to the Edge

Oral Session 11: Mobile Computing Systems

Beijing Friendship Hotel

ID	Title
42269	Application of Pricing and Trust Mechanisms in Grid Resource Allocation
41167	Cost Function of Features Based Mode Switching Algorithm for Indoor Positioning
41638	The Assisted GNSS Boomed up Location Based Services
41646	Research on Mobile Location Service Design Based on Android
42488	An Intelligent Context-Aware Spatial Routing System in Mobile Environment
42336	A Two Dimensional Clustering Search Protocol for Peer-to-peer Networks
42176	Road Probing: RSU Assisted Data Collection in Vehicular Networks
42190	Environmental Monitoring using Wireless Vehicular Sensor Networks
41016	Development of the Integrated Target Information System of the Marine Radar and AIS based on ECDIS
41034	Study on the Differences of the Dynamic Target Information of the Marine Radar and AIS
41264	Mind Mapping : A Creative Development in Industrial Engineering Education
41647	Optimal Prefix Cache Allocation Among Multiple Cooperative Local Proxies
42160	A New Idea for Power Distribution Network Planning Using Ant Colony Optimization
42313	InfoSlim: An Ontology-Content Based Personalized Mobile News Recommendation System
41715	An Agent Negotiation System Based on Adaptive Genetic Algorithm

Oral Session 12: Multimedia and Security

Beijing Friendship Hotel

ID	Title
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41284	Towards Continuous Surveillance of Fruit Flies Using Sensor Networks and Machine Vision
42354	Tele-Assistance in Cardiology
41729	Research on the Virtual Forecast Method of Background Advertisement Exposal Parameter of Sport Events
41329	A Novel Spatial Error Concealment Method for Wireless Video Transmission
41685	Hybrid H.264 Video Transcoding for Bitrate Reduction in Wireless Networks
42405	Non-Uniform LDPC for Multi-Bitplane in Distributed Video Coding
41631	A master-slave recommended credibility model in mobile P2P based on Chord
41188	An Authentication Method for Self Nodes Based on Watermarking in Wireless Sensor Networks
40529	A Dynamic Normal Profiling for Anomaly Detection
40892	AHP-Based Measurement and Comparison of Harms of Computer Virus
41013	An Improved Coded Repetition Scheme for Safety Messaging in VANETs
41186	Multilevel Event Correlation based on Collaboration and Temporal Causal Correlation
41223	A new Authentication and Key Exchange Protocol for Insecure Networks
42233	An Enhanced Hierarchical Group-Index Based Lightweight Authentication Protocol with Forward Security
42270	New Detection of Peer-to-Peer Controlled Bots on the Host

Saturday, September 26, 2009, Afternoon (14:00—18:00)

Poster Session 1: B3G & 4G Systems, Coding, Detection and Modulation

14:00—14:40

Beijing Friendship Hotel

ID	Title
40046	Performance Comparison between Two SISO Detectors for MIMO Channels
40149	Coordinated Multipoint Transmission Systems with the Clustered Super-cell Structure Configuration
40220	Study of Adaptive Routing with Multi-Hop Diversity in Multi-Hop Virtual Cellular Network
40238	The Research and Design of the Repeater Uplink System with Automatic Gain Control for WCDMA
40271	Study on the Characteristic of WCDMA Uplink Complex Spreading and Modulation
40296	Performance of Adaptive Transmitting Mode Selection for Wireless MIMO Broadcast Channels with Limited Feedback
40320	A survey on body Area Network

40420	A Novel Carrier Frequency Offset Tracking Scheme In MQAM-OFDM Systems
40438	Research on the Smart Antenna Algorithm in TD-SCDMA
40459	Integrated Priority Computing Scheme For Future Mobile Communication
40473	Coordinated multi-point transmission and reception for LTE-Advanced
40474	Research on Adaptive Subcarrier-Bit-Power Allocation for OFDMA
40488	Realization of Share Downlink Carrier between CDMA2000 1x and 1x EV-DO
40494	A Relay Selection Scheme for the Downlink of Cellular Networks
40501	Performance of the MC-DS-CDMA Systems with PCE and Variable Spreading Factors
40509	A game theory based WiMAX uplink power control algorithm
40513	Study on the Improvement Scheme of RAKE Receiver for CDMA Downlink
40560	Nonlinear Overlapped Code Division Multiplexing System with High Spectral Efficiency
40569	Opportunistic Packet Scheduling in OFDM Distributed Antenna Systems
40591	Performance Analysis of Viral CDMA Mobile Communication Based on Cross Entropy
40609	Auction-Based Radio Resource Allocation for OFDMA Systems
40639	Relay-Coded Multi-user Cooperative Communications for uplink LTE-Advanced 4G Systems
40652	MAC-layer Scheduling Based on Service Coefficients in Heterogeneous Wireless Networks
40663	Delay-Bounded Power-Efficient Packet Scheduling for Uplink Systems of LTE
40668	The Upper and Lower Bound for Amplify-and-Forward Cooperative Communication
40782	Flexible Carrier Aggregation for Home Base Station in IMT-Advanced system
40785	Performance Evaluation of LTE MBMS Baseline
40813	Joint Dirty Paper Precoding and User Scheduling for Downlink Coordinated Multipoint Transmission System
40910	Study and Improvement on Time Synchronization System in Space TT&C Network
40989	User-Adaptive Vertical Handover Scheme Based on MIH for Heterogeneous Wireless Networks
40999	Comparison of Different Virtual MIMO Detection Schemes for 3GPP LTE
41003	Performance of Destination-Driven Regenerative Cooperative Diversity Protocol over Nakagami Fading Channels
41008	A Speed Sensitive Vertical Handoff Algorithm Based On Fuzzy Control
41043	Channel-aware adaptive ARQ packets for WiMAX
41157	PIC Detector For Joint Distributed STBC Under Imperfect Synchronization
41166	Performance of Retransmission Partner Selection Scheme for Cooperative HARQ

41178	Optimal Power Allocation for DAF Cooperative Communication with Multiple Relays
41192	A New Power Control Scheme to Improve QoE of Relay User in Cooperative Systems
41250	Matrix Cyclic Shifting based Interleaver Design for IDMA System
41302	Joint Allocation of Power and Subcarriers for OFDMA Relay Network
41483	A Novel Adaptive Resource Allocation Scheme in Downlink OFDMA-Based System
41557	Universal Modeling and Optimization for Multi-Radio Access Selection
41568	Outage Performance of Half-Duplex Cooperative Relay Networks Using Rateless Codes
41687	Adaptive Proportional Fair Scheduling Based on Opportunistic Beamforming for MIMO systems
41703	Performance Comparison on Schemes for Suppressing Cross-Slot Interference in TD-SCDMA System
41708	A New Relay Selection Scheme for Wireless Relay Networks
41726	Power-effective in Multi-hop Relay Network based on Wireless Broadband Systems
41771	Downlink Power Allocation for Distributed Antenna Systems in a Multi-Cell Environment
41772	High Altitude Platform-Based Two-Hop Relaying Emergency Communications Schemes
41806	Design and Performance Evaluation of BICM-ID in Slow Fading Channels
41891	Periodic Odd-Shift Orthogonal Sequences Based on Interleaved DFT Matrix
41898	Optimal Relay Location in OFDMA Based Cooperative Networks
41961	Flexible Uplink Scheduling Algorithm for VMR-WB VoIP Services in IEEE802.16e System
41989	Performance and Frame Structure of Fractional Frequency Reuse in Multi-user Spatial Multiplexing System
42023	FRS Handover for Multi-hop Relay Network Based on Load Balancing Combining Resource Reallocation
42034	Downlink Performance and Capacity of Distributed Antenna System in Multi-user Scenario
42056	Scheduling and Link Adaptationsfor VoIP in TDD-LTE Uplink
42060	Research of IP Multimedia System Terminal
42113	Quality of Service Evaluation Scheme for Heterogeneous Wireless Network
42117	A scheduling scheme based on the SLNR criterion
42150	An Inter-Cell Interference Coordination Scheme for Relay Based Cellular Networks
42166	Time Acquisition of IDMA System in Low SNR Environment
42180	An Improved Resource Allocation Method Based on Convex Optimization in Centralized Wireless Network
42216	A Novel Energy Fairness Mechanism Based on Relay Selection for Cooperative MAC Protocol
42253	A QPSK Carrier Estimation Method Based on Modified FFT
42272	A Cooperative Coding Scheme Based on OFDM System

42293	Sparsity Based CQI Feedback Scheme
42305	Novel Network/Terminal Cooperative Selection Mechanism for Modern Service Industry
42413	Rate-Embedded Doubly Directional Differential Space-Time-Frequency Coding Schemes
42450	An Identity-based Access Authentication Scheme for Heterogeneous Wireless Network
42471	Performance Analysis of Scheduling Scheme in Multiuser Cooperative Relay Wireless Networks
42494	Subcarrier Coupling and Scheduling for Multi-User OFDMA Relaying Networks
40005	Performance Research and Simulation on DSSS System with Short Spreading Code against Single Frequency
40058	An Improved Space-Time Decoder Under MIMO System
40061	Periodic Correlation Bounds of Binary Sequence Pairs
40084	SAR Image Compression with Vector Quantization of Wavelet Trees at Low Bit Rates
40133	Design and Implement of Digital Modulator Based on Improved DDS Technology and DSP Builder
40184	Space-Time Constant Modulus Algorithm Equalizer for STBC Systems
40198	An Improved Method for the Convergence of Iterative Detection in Turbo-CPM System
40225	VLSI design for DVB-T2 LDPC decoder
40314	A twi-Serial-Parallel Correlator with FFT Approachfor Long Code Acquisition in Spread SpectrumCommunication System
40334	An Iterative Decoding Method Based on Gaussian Approximation for LDPC Coded Modulations
40357	Construction of QC LDPC codes Based on cyclic subgroup over GF(q)
40396	Envelope Correlation Analysis For Multi-Path Fading Signals
40397	Girth 4 and Low Minimum Weights' Problems of LDPC Codes in DVB-S2 and Solutions
40405	Performance Analysis of Quadratic Prime Codes and Construction of New Frequency-Hopping Sequences
40425	Nonbinary LDPC Coded FH Systems over Partial-Band Jamming Channels
40567	Frequency-Hopping Codes Based on Four-Dimensional Chaotic System
40588	Design of Concatenated Fountain Code in Deep Space Communication
40608	BLIND MULTIUSER DETECTION USING ADAPTIVE FILTER
40642	Realization of Deblocking Filter in FPGABased on the Compression Standard of H.264 Coding
40648	An Underwater Acoustic Spread-spectrum System Using RA Coding and Band-pass Signal Acquisition
40675	Research on Binary Complementary Sequence Pair Set and it's Construction Methods
40723	Design and Performance Evaluation of Feedforward Timing Estimator for M-PSK Signals
40762	Uniform All-integer Quantization for Irregular LDPC Decoder

40767	Cross Layer Combining of Coded Cooperation and Truncated ARQ/FEC in Wireless Systems
40792	From Prime Codes to “A New Construction of Frequency-Hopping Codes”
40830	Improved Iteratively Detected Receiver for SCCPM system over ISI channels
40844	A Mnemonic Multiuser Detector Based on Genetic Algorithm in Multicode LAS-CDMA System
40870	Noise analysis for a new digital beamformer on-receive-only
40962	Designing a Differential Frequency Hopping System with Hop Variable Frequency Transition Function
40964	Evaluation of QO-STBC Schemes for Four Transmit Antennas
41002	Cooperative Transmission Utilizing High Order Superposition Modulation with Iterative Detection
41005	phase compensation for uplink distributed space-time cooperative protocol
41032	Performance Analysis of Different Puncturing Schemes for Rate Compatible Block-type LDPC
41042	Refined Spatial Error Concealment with Directional Entropy
41058	Modified Automatic Modulation Recognition Algorithm
41076	Modulation Recognition of Multi-Signals via Multi-Resolution Approach
41135	PN Code Sequence Estimation Based on SOM Neural Network
41144	A Novel Content-based Video Coding Scheme for Robust Video Transmission over Ad Hoc Networks
41187	A New Parameter Estimation Method of Linear Frequency Modulation Signal
41208	Relaying Scheme Based on IDMA for MIMO Relay Networks
41210	An Accelerated Soft-output Sphere Decoding Algorithm for MIMO System
41365	Performance of LDPC Codes for Satellite Communication in Ka Band
41566	The Implementation of 16QAM Modulation and Demodulation and Performance Comparison
41610	A ROBUST DETECTION ALGORITHM FOR THE MULTI-PATH CHANNEL
41651	Decision-Directed Estimation of Carrier Frequency and Phase for Burst PSK Transmission
41658	A Network-coding Method to Improve the Performance of Opportunistic Networks
41718	The research of security-mode based on Cohen-Sutherland Encoding
41764	Novel Construction of Distinct Perfect Polyphase Sequences with Large Family Size
41817	Transmission Over Single Mode Fiber Linkwith Convolutional Encoding
41855	Research of Communication Signal Modulation Scheme Recognition based on One-class SVM Bayesian Algorithm
41861	Spectral Entropy Based Primary User Detection in Cognitive Radio
41895	Reed-Solomon Codec For A Reconfigurable Baseband Processing Platform

41900	Study on wireless detection in condition of evaporation duct
41904	A Code-Aided Soft Frame Synchronization Algorithm for Quasi-Cyclic LDPC Coded System
41932	Dynamic Schedules Based on Variable Nodes Residual for LDPC Codes
41942	Adaptive Detection of an Unknown FH Signal Based on Image Features
41987	The Rate-Compatible Multi-Edge Type LDPC Codes with Short Block Length
42015	Performance Analysis of LDPC Codes over Shallow Water Acoustic Channels
42019	Performance Analysis of PN Code Acquisition Using Fast Fourier Transform
42028	Accelerated Q-ary Low-Density Parity-Check Codes Decoding with Message Selection
42078	A Modified Blind MUD Algorithm in the Cooperation Network
42084	A new constellation rearrangement without signaling for IR-HARQ in the IMT-Advanced System
42085	A Joint Diagonalization Separation Approach to Physical-layer Network Coding over Wireless Fading Channel
42138	Twice Spread Spectrum with Error Correction Coding
42182	The comparisonal analysis of the concept of Rectangular and Hexagonal Pilot in OFDM
42213	Intelligent Video Monitor System Based on Neural Networks Analysis
42226	A Fast and Efficient Intra Mode Decision Algorithm for H.264/AVC
42232	A Novel UEP Algorithm Based on Error Resilient Arithmetic Code
42250	A Combined ϵ -approximation Blind Equalization method Based on Automatic Modulation Recognition
42355	Hybrid ARQ System using the Double Layer Coding
42361	Research on Channel Estimating Algorithm in CMMB System under Complex Environment
42374	The Data Reuse LMS Channel Estimation Algorithm in Turbo Equalization
42390	Research on Generalized Pseudorandom Punctured Binary Array Pairs Theory

Poster Session 2: MIMO and OFDM, Cognitive Radio

14:40—15:20

Beijing Friendship Hotel

ID	Title
40019	Blind Channel Estimation of MIMO-OFDM Based on FDPM
40040	A Novel OFDM Interpolation Algorithm Based on Comb-Type Pilot
40042	Low Complexity Antenna Selection for MIMO-OFDMA Downlink Scenario
40056	Perfomance of Training-based Channel Estimation Methods in a MIMO System Employing Uniform Circular or Linear Array Antennas

40068	Investigations into the Relationship between MIMO Channel Estimation and Channel Effective Degree of Freedom
40144	Decision-directed Channel Estimation for MIMO-OFDM Systems
40160	Resource Allocation for Power-line OFDM System Based on Genetic Algorithm
40163	Lower Bound of SNR Fall Caused by ICI Based on All Phase OFDM Systems
40179	Distortion-Compensation Scheme for PAPR Reduction of OFDM Signals
40189	Look-Up-Table Predistortion Technique Based on Polynomial Nonlinearity Compensation in OFDM Systems
40263	Effect of Space-Time Correlation on the Capacity in MIMO-OFDM Channel
40287	Space-Time Blind Equalization Under ϵ -Stable Noise Environment
40312	Joint Optimization for PAPR reduction and opportunistic beamforming (OBF) in OFDM systems
40355	Research On Different-Based Systems Of MCM
40391	Robust Uplink Carrier Frequency Offset Estimation in MIMO-OFDM Systems
40398	Analysis and Optimization of Non-sequential IPTS
40451	Enhanced selected mapping via candidates combination for PAPR reduction in OFDM
40506	A Novel PAPR Reduction Technique by Sampling Partial Transmit Sequences
40566	Research on Acoustic Three-user Communication Based on Single Vector Sensor
40614	Adaptive MIMO-OFDM System Based on QO-STBC/SFBC with Improved Feedback Scheme
40658	Recursive MMSE Channel Estimation for MIMO-OFDM Systems
40660	A Particle Filter for Frequency Synchronization in MIMO-OFDM Systems
40681	SFBC and ICI cancellation Method Comparison in the MISO DFT-Spread OFDM System with Frequency Offset and Phase Noise
40683	Performance Analysis of MIMO MRC Systems
40696	A Hybrid ZF and QR Receiver for MIMO-OFDM systems
40759	Capacity of MIMO-OFDM System with Multi-path Fading Channel
40772	Ant-Colony-Based Resource Allocation in OFDMA MESH Network
40789	A Low Complexity Post-Processing SNR Estimator for Non-linear Receiver in MIMO Systems
40798	An Improved Max-Log-MAP Decoding Algorithm for UST Symbol-based Turbo Code
40807	Differential Unitary Space-Time Symbol-based Turbo Code
40822	An adaptable digital predistorter for COFDM signal implemented by dual RAM
40824	A reduced dimension VBLAST detection algorithm with approximating Maximum Likelihood performance
40841	An Intercarrier Interference Cancellation Technique Based on SSC-ASIF Scheme in OFDM Systems

40856	Estimation and Compensation of Frequency-Dependent I/Q Imbalances in OFDM Systems over Fading Channels
40919	Approximate Analysis of Power Offset Based on Tri-Diagonal Toeplitz Matrix
40946	Analytical Results of V-BLAST MIMO Systems with Two Transmit Antennas over Correlated Rayleigh Channels
40988	Limited Feedback Open Loop Precoding in the Downlink Relay Multiuser MIMO System
41048	Iterative MMSE Precoding for MIMO Interference Channel
41112	A Scheme of Cyclic Delay Diversity Based Precoding for Downlink MIMO System
41273	A New Sampling Clock Synchronization Method in OFDM System
41285	Reduced-Rank Equalization of Unitary Multistage Wiener Filter Based on Rectangle Blocking Matrix for Multiple Input Multiple Output
41299	Improvement on the Synchronization Algorithm for OFDM
41324	Transmit Antenna Selection Strategies in Correlated Fading MIMO Channels
41343	Improved frequency domain differential demodulation for fast fading HF channels
41378	OFDM Blind Signal Detection Using the Signal Probability Information
41403	The Physical Layer Design for MIMO Wireless Communications System
41432	An Accurate Expression of Capacity for Multi-user MIMO Systems with Zero-Forcing Receiver
41442	A Low Area Pipelined FFT Processor for OFDM-Based Systems
41459	COOPERATIVE DIVERSITY WITH PARTIALLY COOPERATIVE RELAYS
41493	A Blind CFO Estimation Algorithm for OFDMA Based on ESPRIT Algorithm
41507	Low Complexity General Antenna Selection Algorithm for MU-MIMO-BC Systems
41525	An Analysis of Scheduling and Feedback for Multiuser MIMO Systems
41542	Relation between Beamforming and Diversity in MIMO System: A Capacity Perspective
41603	Investigation into SVD based Beamforming over Rician MIMO Channels
41628	Least Square Channel Estimation for MIMO-OFDM System
41630	A fair Cross-layer Resource Allocation Scheme with Diverse QoS Guaranteeing
41699	A Simple Codebook Design Algorithm for MISO Channels with Channel Estimation Errors
41811	A Low-complex Virtual sub-carrier Reservation Algorithm for PAPR Reduction
41826	MIMO Spatial Multiplexing Systems with Uplink Pilot and LDPC Codec
41837	A Novel ICI Self-Cancellation Scheme for OFDM Systems
41863	Effects of Quantization on Channel-Orthogonalized STBCs with Different Orthogonalization Schemes
41887	Performance Study for STC-OFDM Systems Based on IEEE802.11a Standard

41945	Cross-layer Design of MIMO OFDM with Mode Switching and Hybrid ARQ
41955	Study on Performance of Coded OFDM-CDM under Unknown Interference
42045	Adaptive Codebook Selection for Limited Feedback MIMO Beamforming Systems
42051	Distributed Beamforming with Limited Feedback in Regenerative Cooperative Networks
42055	Variable Step-Size semi-blind channel estimation for MIMO-OFDM based on Particle filtering
42091	Efficient Power Allocation for OFDM with Imperfect Channel State Information
42098	The OFDM Underwater Communication Frequency Equalization basing on LMS Algorithm and Pilot Sequence
42099	Performance Analysis on Compact MIMO Antenna Arrays Based on Network Theory
42120	The effect of mutual coupling on capacity of 4-element squared antenna array MIMO systems
42121	Antenna Pattern Effects on the Capacity of Multielement Antenna System
42143	On Capacity of MIMO Fading Channels with Finite-size Constellation
42244	Transmit Beamforming for Quasi-Orthogonal Space-time coded system in Rayleigh Fading Environments
42256	A New Resource Allocation Algorithm for Single-User OFDM Systems
42279	Full Rate General Complex Orthogonal Space-Time Block Code for 4-Transmit Antenna
42311	Time Domain Channel Estimation based on Power Roll-off Strategy and Kalman Algorithm for MIMO-OFDM in WLAN
42365	A Novel MAP Estimation Algorithm for Multiple Frequency Offsets in Distributed MIMO System
42465	Performances of Detection Algorithms for MIMO-OFDM systems With Frequency Offset
42470	ICI Analysis of MIMO-OFDM Systems with Independent Phase Noise at Both Transmit and Receive Antennas
42491	Performance of Suboptimal Cooperative Opportunity Scheduling Strategy on Cell-MIMO System
40088	A New Primary User Sensing Approach based on LTE Wireless Sensor Networks
40150	Advanced Graph-Coloring Spectrum Allocation Algorithm for Cognitive Radio
40206	Cooperative Spectrum Sensing with Double Threshold Detection Based on Reputation in Cognitive Radio
40281	Dynamic Threshold Based Spectrum Detection in Cognitive Radio Systems
40289	An Enhanced Energy Detection Algorithm In Cognitive Radio
40388	Dynamic Spectrum Access in Underlay Cognitive Radio System with SINR Constraints
40415	AEF Analysis of Central Limit Theory Approximation in Spectrum Sensing
40456	Performance Analysis of Spectrum Sensing Using Diversity Technique
40576	Research of Frequency Choosing Strategy on the Route for HF Air-Ground Communication Based on SNR
40589	Joint Power and Channel Allocation Based on Fair Sharing in Cognitive Radio System

40597	Cooperative Spectrum Sensing With Feedback
40601	Opportunistic Dynamic Channel Allocation Based on Chain Store Game
40650	Optimization and Scheduling of Spectrum Sensing Periods in Heterogeneous Wireless Networks
40691	A New Approach for PAPR Reduction of NC-OFDM System Based on Cognitive Radio
40742	Evolutionary Game for Distributed Power Allocation over Cooperative Relay Networks
40749	A Novel Adaptive Ultra-Wideband Pulse Design Based on Cognitive Radio Theory
40817	Adaptive Beamforming Based on Subspace Theory in Cognitive Networks
40825	Cognitive Detection Exploiting the Relation among Primary User's States
40869	A Novel Spectrum Sharing Algorithm Based on the Throughput in Cognitive Radio Networks
40902	Multi-node spectrum detection based on the credibility in Cognitive Radio System
40934	Power Allocation for Cognitive Radio Systems Based on Nonregenerative OFDM Relay Transmission
41068	Bit Error Rate of the Primary User in a Cognitive Relay Network over Rayleigh-Fading Channels
41071	Outage Analysis of Cognitive Network
41147	Design and Simulation for a Reformative Transform Domain Communication System
41228	A New Mechanism of Dynamic Spectrum Allocation in the Cognitive Network
41318	A Spectrum Allocation Algorithm Based On Matching Game
41402	Active Interference Cancellation for Multiple Narrow-band Primary Signals in Cognitive OFDM
41421	Performance Tradeoff for Cooperative Spectrum Sensing in Cognitive Radio Networks
41436	Polarization Spectrum Sensing Scheme for Cognitive Radios
41449	Adaptive Pulse Regulations to Achieve High Range Resolution Within the Unambiguous Window
41488	Half-Voting Based Twice-Cooperative Spectrum Sensing in Cognitive Radio Networks
41504	Cooperative Spectrum Sensing in OFDM based on MIMO Cognitive Radio Sensor Networks
41506	The Performance Analysis of Spectrum Sensing Algorithms Based On Wavelet Edge Detection
41519	A New Frequency Spectrum Sensing Approach based on Spatial Spectrum Estimation in OFDM system
41589	Cluster-based Energy Efficient Cooperative Spectrum Sensing in Cognitive Radios
41661	Interference Temperature Estimation in OFDM based on the Directions of Arrival Sources
41735	Cognitive Radio Spectrum Sensing Based on Index Belief Degree Function
41738	Architecture and Behavioral Model for Future Cognitive Heterogeneous Networks
41780	A Framework of Access Network Architecture for 4G Systems based on Cognitive Radio
41832	Adaptive Unbalanced Spectrum Usage and Power Allocation for Cognitive OFDM-Based Relay Networks

41842	A New Cooperative Spectrum Sensing Algorithm in Cognitive Networks
41857	A Novel OFDM-MSK Scheme for MB-OFDM UWB based on Cognitive Radio
41890	An Emission Strategy of Cognitive Radio-Ultra Wideband Based on Interference Temperature model
41897	PSO-Based OFDM Adaptive Power and Bit Allocation for Multiuser Cognitive Radio System
41911	Anti-PUE attack base on the transmitter fingerprint identification in cognitive radio
41923	Optimized Signal to Noise Ratio Threshold Based on Transmission Power and Complexity of Cognitive Detector
41953	An improved guard channel algorithm in Cognitive Radio System
41969	On Performance Comparison of Wideband Multiple Primary User Detection Methods in Cognitive Radios
41970	A Novel Cooperative Spectrum Sensing Scheme Based on Fuzzy Integral Theory in Cognitive Radio Networks
41991	Optimization of Parameters for Spectrum Sensing in Cognitive Radios
42063	A Resource Scheduling Scheme Utilizing Grey Space Spectrums for OFDM Based Cognitive Radio Systems
42295	Cognitive Ultra-Wideband Radio Based on Adaptive Spectrum Allocation and Rake Receiver
42444	Joint Design of Frequency and Power Adaptation in FHSS Systems Based on Cognitive Radio

Poster Session 3: Signal Processing, Antenna and Circuit

15:20—16:00

Beijing Friendship Hotel

ID	Title
40194	Optimal Design of UWB Pulse Based on IDFT
40315	A Special MAC Protocol for FCS Based on Ultra Wide Band
40429	A Novel Demodulation Method based on Zero-Crossing Detection for UWB Signal Reception
40440	An Improved Wavelet-Based Pulse Design for UWB System
40443	Design of an Ultra-short Pulse Generator
40514	Performance Studies of UWB Communication System Based on Parallel Combinatory Spread Spectrum
40620	A Novel Method of Timing Jitter Suppression Based on UWB System
40654	Composite Pulse-Multipath Channel Estimation for IR-UWB Communication System
40667	Effect of Angle-dependent Pulse Distortion on UWB Localization System
40669	Compact UWB Probe for Near-field Microwave Target Detection and Imaging
40797	Joint Method of Ultra Wideband Packet Acquisition Based on Energy Detection
41024	Research on a new kind of Rake-MKFA receiver based on DS-UWB system

41219	Research on the Networked Embedded System Architecture
41469	A Novel Pulse Shaping Method for Ultra-Wideband Communications
41951	Maximum Throughput Obtaining of IEEE 802.15.3 TDMA Mechanism under Error-prone Channel
41964	Space Time Block Coded MIMO-OFDM Scheme for Indoor UWB Using
42042	A Carrier-Suppressed Balance BPSK Modulator for Impulse Radio Ultra-Wideband Transmitter
40096	Analytical Solutions to Density Functionally Graded Piezoelectric Cantilever Beams
40129	Research of Adaptive Digital Predistortion technology for Wideband OFDM Power Amplifier
40166	A Kind of Signal Processing Method for the Polarization Phased Array Radar
40178	A Detection Method of WCDMA Signal Based on the Quadratic Fourth-order Moment Chip at Lower SNR
40209	Design and Realization of the System for DSP based on Real-time Audio Signal Acquisition, Filtering and Transporting
40213	The Optimal Morlet Wavelet and Its Application on Mechanical Fault Detection
40302	Multi-Channel High-speed Data Acquisition and Storage System
40329	A Novel Fault Signal Detection Method
40403	Research of Narrow-Band Interference Suppression Technologies in DSSS Communication Systems
40515	An Amplitude-only Direct Data Domain Least Square Algorithm of Wideband Signals Based on the Uniform Circular Array
40526	Oblique Projectors-Based Blind Source Separation using Information Maximization Principle
40580	Channel Capacity of MIMO Multi-carrier Modulation in Additive Noise
40624	Blind equalization based on wavelet neural network optimizing by genetic algorithm
40631	Nonstationary Interference Suppression in DSSS System Using Time-Frequency Distribution and Polynomial Phase Signal Model
40634	PERFORMANCE ANALYSIS OF THE FASTICA ALGORITHM IN ICA-BASED CO-CHANNEL COMMUNICATION SYSTEM
40676	A Cross-Correlation Matrix-Based MMUSIC Algorithm
40699	Image Estimation Using Total Least Squares
40724	The Realization of High Precision Frequency Measurement System based on Wet Steam Wetness Measurement System
40823	A Variable Step-size LMS Adaptive Filtering Algorithm
40853	A New Decorrelating Method of MUD
40875	Implementation of the Programmable OFDM Signal Generator Based on MCU
40886	Multirate Method for Constant Beamwidth Beamforming of Nested Array
40955	Low Complexity Blind Equalization Based on Parzen Window Method
40998	A Scheme on the Implement of Software RadioBased on the Frequency ConvertingTechnique

41028	Compensation of IQ Imbalance Based on a Simplified Blind Source Separation Method
41077	High-Speed FPGA Implementation for DWT of Lifting Scheme
41103	Image Segmentation Based on Gabor Filter and MRF Model
41122	Fuzzy Compensation Support Vector Classification for Direction of Arrival Estimation
41160	VLD Design for AVS and H.264 Dual Standards Video Decoder
41195	Fast Fractal Image Encoding Based on Local Variances and Genetic Algorithm
41236	Subspace Compressive Frequency Estimation of Frequency Hopping Signal
41271	Robust Adaptive Beamforming Under the Quadratic Inequality Constraint
41274	Copyright Protection for Digital Image in Wireless Sensor Network
41309	A Novel Distributed Power Control Algorithm based on Game Theory
41336	Chirp-like Jammer Excision in DSSS Communication Systems Using EMD based Radon Wigner Distribution
41347	A New Algorithm of Normalized LMS Blind Multiuser Detector Based on Kalman Filter
41362	Feature Extraction And Recognition Of landmine
41372	A fast search algorithm with multi-block mode and multi-reference frame
41376	Image Denoising by Sparse Code Shrinkage
41379	Novel Temporal Error Concealment Algorithm Based on Residue Restoration
41399	A Novel Image Filtering Algorithm in Image Enhancement
41409	A FMCW Radar Acquisition and Process System based on LabVIEW
41434	Internal Field Analysis of High-Power Microwave in Impurities Semiconductor Materials
41470	Joining Power Control and Smart Antenna Using Kalman Algorithm for CDMA Systems
41474	WLAN User Location Estimation Based on Receiving Signal Strength Indicator
41499	STAP Performance Research on Array Failure
41532	Generalized Derivation of Neural Network Constant Modulus Algorithm for Blind Equalization
41575	The Research of Integrated Navigation Applied to Synthetic Aperture Sonar Underwater
41576	Hardware Implement of the Forward Value Conversion Algorithm for Delta-Sigma System based Direct Stream Digital
41635	Research on Digital Channelized Receiving Problems in Passive Guiding System
41636	A Study of Neuman Hoffman codes for GNSS Application
41675	The Research of Optimization Algorithm in the Sonar Emergency System
41698	Theoretical Design of Frequency Offset Detector for Radio Frequency Identification (RFID) Base-band Signal

41713	A Simple Segmentation Approach For Sport Scene Images
41716	Construction of Complementary Sequence Sets Based on Generating Function
41749	Bandpass Chaotic Signal Design for Wireless Communication
41751	Design and Implementation of the Universal RTOS on DSP
41769	Method for Jitter Signal Detection of GPS Basing on Non-sequential Sampling
41791	Research of a novel dispersion compensator based on Uniform Fiber Bragg Grating
41813	An Improved Group-Blind Adaptive Receiver Under Multi-path Channel
41851	A Fast Parameter Estimation Approach for Coherently Distributed Source
41889	Low-Complexity Implementation of High Order SRRRC Filter
41914	A Signal-Subspace-Based ESPRIT-like Algorithm for Coherent DOA Estimation
41940	Correlative Coding based Channel Estimation for Practical OFDM Systems Over Time Varying Channels
41947	The GTEM Cell TRP Test and $ S_{11} $ Parameter Compensation Method
41972	Receive Signal Enhancement in MIMO Eigenmode Transmission System Via Sparse Approximation
41985	Interference Analysis of Interplex Modulation in GALILEO E1 Band
41986	Extended theory for analysis of PLL phase and frequency tracking error in GNSS receiver
42000	Implementation of MMSE Receivers based on Diagonal Loading Method in Multipath Rayleigh Fading Channels
42004	Study of GPS Nulling Antenna Based on Space-time Processing Algorithm
42018	Research on Accurate Measurement Method of TACAN Azimuth Based on Curve Fitting
42022	Packet Loss Concealment Using Enhanced Waveform Similarity OverLap-and-Add technique With Management of Gains
42104	Information Synthesis Algorithm Based on ROI Coding Method of JPEG2000
42132	The Research on GPS Frequency Domain Anti-jamming Algorithms
42259	Analysis of Track long-wave Irregularity with Fractional Fourier Transform
42338	A New Multi-Modulus Blind Equalization Algorithm for QAM Signals
42352	Research of a Non-Specific Person Noise-Robust Speech Recognition System
42407	New HDTV Signal Processing System for Extended Gamut Transmission
42452	Improved Side Information Generation and Virtual Channel Modeling for Distributed Video Coding
42476	An Adaptive UKF Filtering Algorithm for GPS Position Estimation
40067	Effective Degree of Freedom and Channel Capacity of a MIMO System Employing Circular and Linear Array Antennas
40109	Performance Evaluation of the Non-zero Propagation Delay ACK-ALOHA-CDMA Channels

40187	The Simulation and Analysis of UWB Modified S-V Channel Model
40188	Wireless Channel Model of UWB for Underground Tunnels in Coal Mine
40278	Scintillation Effects on Deep Space Telecommunication Links through Soalr Corona
40298	Autoregressive Channel Prediction Model for Cognitive Radio
40304	Research and simulation of propagation characteristic in wireless channel
40684	The Optimization of Combined Beamforming with Space-Time Block Coding
40728	An Adaptive Resource Allocation Scheme for GPRS/EDGE towards 3G
41065	Key Technique Study of Channel Evaluation in Adaptive Frequency Hopping Systems
41179	Monte Carlo Simulation with Error Classification for QAM Modulation under Rayleigh Fading Channel
41180	Investigation on Simulation Confidence Probability in Multipath Rayleigh Fading Channels
41313	Improved data fusion model for wireless sensor network
41355	Research of Wireless Fading Channel Modeling Based on Radial Basis Function Network
41495	Influence of Dimension Change on Radio Wave Propagation in Rectangular Tunnels
41512	Modeling Method of SC and MRC in Correlated Rayleigh Fading Channel
41794	Wavelet-based Multi-Carrier Modulation on Power Line Communication
42021	Channel Capacity Analysis and Simulations of Distributed MIMO System
42112	Finite-State Markov Model for the Aeronautical Channel
42227	A Study on an Efficient Channel Data Processing Algorithm for Developing a Software-based Playing Back Channel Simulator
40190	The Design and Analyses of Wireless Laser Communication System
40323	A High-linearity Low-noise Figure Active Mixer in 0.18um CMOS
40521	A Minimized Wilkinson Power Divider using Dual Transmission Line
40581	Analysis of Dispersion Characteristic of ACPW Using FDTD Method Based on Mixed Absorbing Boundary Condition
40627	A design method to acquire high gain for omni-direction radiation Applied in WiMAX
40636	Mode Scattering Analysis of Large Scale Antenna Array
40643	Investigations of RL-loaded Bowtie Antenna for Low-Resolution GPR
40651	High Speed Wideband Low Phase Noise 2:1 Frequency Divider
40665	High speed, high resolution and low power approaches for SAR A/D converter
40678	A Method for Performance Improvement of RF Power Amplifier by Using Defected Ground Structure
40734	A Novel Defected Ground Structure with lengthened etched gap and microwave filter design

40880	A High Performance PD SOI CMOS Single-pole Double-throw T/R Switch for 2.4GHz Wireless Applications
40882	Research on Receiver Dynamic Range Extension with Adjustable Attenuator
40900	A High-linearity, 60-dB Variable Gain Amplifier with Dual DC-offset Cancellation for UWB Systems
40957	Adaptive order-decision method for memory polynomial based predistorters
40963	Triangular Memory Polynomial Predistorter
41029	Design of Four-Element Dual-Frequency Circular-Polarization Microstrip Array Antenna
41053	A Closed-Form Solution for ELF Radiated Fields of a Line-Current Antenna in Earth-Ionosphere Waveguide
41059	Analysis of Radiation from Microstrip
41184	Circuit Noise Effect on Sampling Clock in Frequency-Domain Radio Receiver IF Digitization
41428	A New Form of the Numerical Dispersion Relation of ADI-FDTD for the 3D Maxwell's Equations
41561	Design of a Novel Dual-frequency Antenna for Wireless Communication Applications
41781	Beam Shaping for Satellite Phased Array Antenna Using Dual Coding Genetic Algorithm
41792	Switchable Microstrip Bandpass-Stopband Filter Based on periodically loaded transmission lines.
41800	A 10mW CMOS RF Front-End for Portable GPS Receivers
41850	Outage Probability Analysis of the Downlink ST-MRC Distributed Antenna System over Shadowed Rayleigh Fading Channels
41894	A 23.5 GHz Double Stage Low Noise Amplifier Using .13 μ m CMOS Process with an Innovative Inter-Stage Matching Technique
41966	Promising 6.0-12 GHz Low Noise Amplifiers By Combining Two Matched Amplifiers
41976	Compact Wide Slot Ultra-wideband Antenna with Tuning Stubs
42009	Planar Spiral Antennas Applied on Short-wave Communications
42041	Design and Analysis of a Compact Terahertz Signal Generator for Military Communications
42105	Design of the Downconverter applied in the Reader of 5.8GHz system of Electronic Toll Collection
42159	Capacitance Performance of Single Material Double Workfunction Gate(SMDWG) MOSFET

Poster Session 4: Ad hoc, Mesh and Sensor Networks

16:00—16:40

Beijing Friendship Hotel

ID	Title
40075	LBAMR: A Load Balancing and Asymmetrical Multi-path Routing
40114	Modeling and Analysis of a Stable Direction-Based Routing Protocol in Vehicle Mobile Ad Hoc Networks
40137	A novel routing protocol based on an energy model in Ad Hoc Networks

40173	A key management scheme for Ad hoc networks
40195	CODING-AWARE ROUTING FOR UNICAST SESSIONS IN WIRELESS NETWORKS
40255	Region Topology based Route Design for Multiple Ferries in DTNs
40284	Research on the Node Probability Distribution of Random Direciton Model in MANET
40325	Ad Hoc QoS Routing Protocol Based on Pertinence between Delay and Bandwidth
40353	Design of Mobile Server Framework in MANET
40393	Comprehensive Evaluation of AODV in Wireless Multi-hop Ad hoc Networks
40413	An Efficient Variable-range Transmission Power Control Algorithm for Mobile Ad Hoc Networks
40419	Optimization on Distributed Cross-layer Design for MRMC Wireless Multi-hop Networks
40421	Nonuniform Property of Random Direction Mobility Model for MANET
40444	On-Demand Routing Technology Based on Task-Relay in Partially Connected Ad Hoc Networks
40450	Scalable Authentication Protocol for Wireless Mesh Network Access
40455	A Wireless Mesh Network Authentication Method based on Identity Based Signature
40482	Adaptive Cooperation Scheme Using Fairness Selection Relay
40503	A Reliable Routing Model Based on The Residual Energy in MANET
40578	A Novel Enhanced Weighted Clustering Algorithm for Mobile Networks
40603	Design and Implementation of a Delay-Tolerant Network Emulator based in QualNet Simulator
40632	A Dynamic Approach For Transmission Holdoff Time In IEEE 802.16 Mesh Networks
40677	Research on Overlay Multicast Routing Protocols for Mobile Ad Hoc Networks
40710	Petri Analysis On Multi-path Pre-detection of Byzantine Nodes in WMN
40714	APTLB:A Practical Approach for Providing Traffic Load-Balancing in Wireless Mesh Networks
40719	An Efficient Identity-Based Group Key Agreement Protocol
40741	Realization of topology awareness in peer-to-peer wireless network
40744	BF-Chord: an improved lookup protocol to Chord based on Bloom Filter for wireless P2P
40758	A Backup Relay Technology for the paired slot relay of JTIDS
40769	Design and Implementation of a Simulation System for Space Ad-hoc Networks
40842	A Tabu Search Algorithm for Frequency Assignment Problem in Wireless Communication Networks
40847	Research for Cluster Channel Assignment in WIA-PA
40854	A K-hop Passive Cluster Based Routing Protocol for MANET
40857	Network Coding Aware Routing Protocol for Lossy Wireless Networks

40901	Peer Management Domain Agents Architecture for MANET Management
40933	An Efficient A-DSDV Routing Protocol For Asymmetric Mesh Networks
40956	Energy-Based and Local-Maintenance Routing Protocol in Ad Hoc Networks
40980	An Improvement of MACA in Alleviating Hidden Terminal Problem in Adhoc Networks
41019	A Benchmark for Delay Performance in Sparse Vehicular Ad hoc Networks
41025	AQMP ;An Adaptive QoS MAC protocol based on IEEE802.11 in Ad Hoc Networks
41033	Group-based Management of Multi-channel Allocation Algorithm for Double Interfaces Wireless Mesh Networks
41097	The Intrusion Detection Model Based on the Fuzzy Judgment in Ad Hoc Network
41168	Load-Balancing Algorithm to Improve Throughput Capacity in Wireless Mesh Backbone Networks
41282	A Dimensional Analysis Approach to Transport Capacity of Wireless Network
41308	Location-Aided Opportunistic Routing for Mobile Ad Hoc Networks
41312	Cross-Layer Fair Resources Allocation for Multi-Radio Multi-channel Wireless Mesh Networks
41349	An Adaptive Queue Management Mechanism for Video Streaming over Mobile Ad Hoc Networks
41350	A QoS Routing Algorithm Based on Game Theory for Ad Hoc Networks Having Small-World characteristics
41369	An Improved AODV Routing Protocol for MANETs
41422	Network Coding Awareness based Fairly Scheduling Protocol in Wireless Network
41524	Research of Asynchronous Leader Election Algorithm on Hierarchy Ad Hoc Network
41538	SSFPSim: A Physical Network Topology Supported P2P Generic Simulator Framework
41554	A Password-authenticated Key Agreement Scheme for Ad hoc Networks
41652	Research on multi-path routing based on load-balance algorithm for Ad Hoc networks
41662	ePAD;Enhancing eMule for playing-as-downloading application
41822	Link Change Rate for Mobile Wireless Networks
41886	The Design and Implementation of a P2P Live Video Broadcasting System Based on Hybrid Structure
41909	Adaptive Discovery of Internet Gateways in Mobile Ad Hoc NetworksWith Mobile IP-based Internet Connectivity
41944	A Novel Clustering Algorithm based on GPS of the Mobile Ad Hoc Network
41954	Multipath Routing Protocol for Networks Lifetime Maximization in Ad-Hoc Networks
42016	Design and Implementation of Mobile Gateway Based On DSR Protocol
42029	IMPROVING THE CAPACITY OF WCDMA SYSTEM USING AD HOC RELAYING
42057	A Simplified Scheme of Internet Gateway Discovery and Selection for MANET

42059	A Distributed Routing Algorithm Based on the Reliable Path
42075	Design and Implementation of Ad-Hoc Dynamic Gateway Based on OLSR and Mobile IP
42102	A Multi-hop Clustering Protocol for MANETs
42178	Dynamic Address Allocation Protocols for Mobile Ad Hoc Networks Based on genetic algorithm
42249	The Impact of Simulation Area Shape on the Performance of Ad Hoc Networks
42285	Dynamic Maintenance for Multicast Source Tree in Wireless Ad hoc Networks
42307	Enhancing the “Willingness” on the OLSR Protocol: Methodology on Experimenting the Real Testbed
42346	A Multipacket Reception Protocol Based on Cooperative Communication for WMNs
42360	A Data Transmission Scheme for Community-based Opportunistic Networks
42376	A Differentiated Shared Path Protection Algorithm in WDM Networks
42392	Improving Throughput using MIMO-based Routing Protocol with Multi-links and Antenna-selection
42496	A Load Balance K-hop Clustering Algorithm for Ad Hoc Networks
40043	Hypothesis test of moving status for target localization algorithm in WSN
40060	Average Consensus Based Scalable Robust Filtering for Sensor Network
40071	ZigBee Wireless Sensor Network in Environmental Monitoring Applications
40080	Research and Practice of Signal and System Experimental Platform based on Network
40085	Research on Node Sleep/Wake-up Mechanism in WSN Based on Energy Threshold Setting
40101	An Novel Energy-Efficient Redundant Routing Tree Algorithm for Wireless Sensor Networks
40124	A Hybrid MAC Protocol for Wireless Sensor Network
40131	DOIDF: An efficient Distributed Opportunistic Relaying Protocol Based on Limited Feedback
40201	BC_EM: A Link Loss Inference Algorithm for Wireless Sensor Network
40252	Global Exponential Stability of a kind of Neural Networks with Impulse and Time-varying Delays
40258	An Novel Energy-Efficient MAC Protocol based on Collision Avoidance for Wireless Sensor Networks
40268	Wireless Monitoring System of Street Lamps Based on ZigBee
40309	Applying General Sensing Mode to Intrusion Detection in Wireless Sensor Networks
40319	Scheduling algorithm of great tolerance wireless communication delay for Wireless Network Control System
40343	Environmental Monitoring System Based on Sensor Networks Using Multi-Channel MAC Protocol
40356	Energy Balanced Scheme Based on Variable CellTransmission Range for Wireless Sensor Networks
40369	An Improvement of LEACH Routing Protocol Based on Trust for Wireless Sensor Networks
40394	Application of Wireless Sensor Network in the Monitoring and Control System of Coal Mine Safety

40428	A Distributed Node Localization Algorithm Based on Believable Factor for Wireless Sensor Network
40445	A New Approach to Improve Connectivity of Wireless Sensor Network Node
40454	Design of New Power Management System in Wireless Sensor Network
40500	An Optimizing Movement Control Strategy for Mobile Sensor Networks
40502	Localization Research based on Improved Simulated Annealing Algorithm in WSN
40533	A Strategy of Node Membership Verification for Wireless Multimedia Sensor Networks
40587	Frequency Points Allocation Algorithm in Cluster-Based Sensor Network
40657	Distributed Node Authentication in Wireless Sensor Networks
40720	On Deploying Wireless Sensors To AchieveBoth Coverage And Connectivity
40732	The Implementation of Communication for CC2430-Based Wireless Sensor Network Nodes
40735	The NS2-based Simulation and Research on Wireless Sensor Network Route Protocol
40736	An Event/Action Based Sensor Network Protocol for Real-time Distributed Control
40777	A Method to Prolong the Lifetime of Wireless Sensor Network
40779	Hypercube-based Key Management in Wireless Sensor Network
40780	Hierarchy Cluster Model and Key Management in Wireless Sensor Network
40786	A New Simulation Scheme for Testing and Debugging Wireless Sensor Networks
40790	A Fuzzy Logic based QoS Evaluation Model for Wireless Sensor Network
40815	Design and Implementation of the Zigbee-based body sensor network system
40819	Research on Localization Method Based on RSSI Ranging-Error Compensation
40820	A Heuristic Routing Protocol for Wireless Sensor Networks in Home Automation
40836	A Survey of Addressing Algorithms for Wireless Sensor Networks
40843	A PSO-based Topology Control Algorithm in Wireless Sensor Networks
40872	Application of Wireless Sensor Network in Monitor System for Grain Depots
40891	Study of security base on wireless sensornetwork routing protocol
40897	An Improved LEACH Protocol for Application-Specific Wireless Sensor Networks
40954	A Route-based Scheduling in Wireless Multi-hop Mesh Networks for Collision Avoidance
40961	GMSVM-based Prediction for Temporal Data Aggregation in Sensor Networks
40969	The Design of the Remote Water Quality Monitoring System based on WSN
40976	An Energy-Balanced Data Transmission Scheme for Clustered Wireless Sensor Networks
40977	Entropy-based Trust Management for Data Collection in Wireless Sensor Networks

41039	Algorithm of Creating Routing Table for WSNs
41049	A Multi- Hop Energy Efficient Clustering Algorithm in Routing Protocol for Wireless Sensor Networks
41054	Tolerant Majority-Colluding Attacks for Secure Localization in Wireless Sensor Networks
41083	Multi-Path Fading Channel-Based Estimating Model of Link Quality for Wireless Sensor Networks
41085	Research of Minimum Energy Consumption Topology Construction in Wireless Sensor Networks
41107	A New Association Scheme of IEEE 802.15.4 for Real-time Applications
41118	Multi-sensor IMM Estimator for Uncertain Measurement
41127	Connected Dominating sets in Wireless Sensor networks
41140	Modeling the Spread of Worm Epidemics in Wireless Sensor Networks
41162	Sensor Nodes Placement for Farmland Environmental Monitoring Applications
41191	Affect of Confinement of Event Field within the Sensor Field on Network Lifetime and Energy Consumption for Cluster-based Wireless Sensor Networks
41204	Dynamic Hop-Limit Localization Algorithm Based on DV-Hop
41217	The Research of Feature Selection Model Based on the Game Theory
41231	Principles for energy-efficient topology control in wireless sensor networks
41235	ML Source Localization Theory in an Underwater Wireless Sensor Array Network
41261	Route Navigation System in Zigbee-based Sensor Networks
41287	Decision fusion rules over Rician fading channel for wireless sensor networks
41298	The properties and stability analysis of an integrate-and-fire model
41304	Serial distributed detection performance analysis in wireless sensor networks under noisy channel
41323	A Trust Establishment Scheme for Cluster-Based Sensor Networks
41381	An Energy-saving Algorithm of WSN based on Gabriel Graph
41382	Experimental Study of Load Balancing Routing for Improving Lifetime in Sensor Networks
41391	A Directional antennas-Based Topology Control Algorithm for Two-tiered Wireless Sensor Network
41489	The Relation between Organized Structure and Maintaining Cost in WSN
41500	Weighted Average Approach to Quantized Measurement Fusion in Wireless Sensor Network
41537	Power-efficient Clustering Routing Protocol Based on Applications in Wireless Sensor Network
41629	A Real-time Monitoring and Controlling System for Grain Storage with ZigBee Sensor Network
41633	An Energy-Balanced Variable Range Transmission Scheme in Wireless Sensor Networks
41653	Frequency Offset Cancellation for IEEE802.15.4a Based Ranging

41669	Design and Implement of Tire Monitoring System Based on ZigBee
41723	A Security Architecture for Wireless Sensor Networks Based-on Public Key Cryptography
41756	Research on the Signal Random Attenuation Coefficient Based on RSSI in WSN Localization Technology
41805	The Algorithm of Connected Dominating Set Based Clustering in Sensor Networks
41848	A Self-adaptive Clustering Algorithm for Wireless Sensor Network
41921	Energy-Efficient Cluster Head Selection in Clustering Routing for Wireless Sensor Networks
41935	An Efficient Routing Protocol Based on Two Step Cluster Head Selection for Wireless Sensor Networks
41941	Wireless Sensor Network InterConnection Design based on IPv6 Protocol
41965	Service Oriented Management of Heterogeneous Wireless Sensor Networks
41977	A Data Filtration-aware MAC Protocol for Wireless Sensor Networks
41999	Shadowing Effects and Edge Effect on Sensing Coverage for Wireless Sensor Networks
42071	The Design and Implementation of a RSSI-Based Localization System
42080	A Novel Sequence Based Localization Approach for Wireless Sensor Networks
42081	EDFM：A Stable Election Protocol based on Energy Dissipation Forecast Method for Clustered Heterogeneous Wireless Sensor Networks
42126	Cluster Based Dynamic Routing On Powerline Carrier Network
42181	A Structural Health Monitoring System Using Wireless Sensor Network
42348	An Energy-Balanced Ant-Based Routing Protocol for Wireless Sensor Networks
42379	Topology Control Algorithm Target Tracking-oriented
42423	An Improved APIT Algorithm Based on Direction Searching
42445	Apply Modified Method of Nonlinear Optimization to Improve Localization accuracy in WSN
42454	Battery-Aware Depth-First Search Routing for Streaming Data Transmissions in WSNs

Poster Session 5: Network Protocols and Security

16:40—17:20

Beijing Friendship Hotel

ID	Title
40104	Application of the ZigBee Technology in the Wireless Ordering Dish System
40107	Influence of Retransmissions on the Estimating Number of Users Associate in a WLAN Using Error Pron-Channel
40152	Process Based Application Level Architecture for RFID System
40230	An Improved A-SRAC Authentication Protocol in RFID System

40386	Optimization of the phase noise of LC VCO in UHF RFID Reader
40417	A CMOS Transmitter Front-End for Mobile UHF RFID Reader
40645	Reflective Interference in Passive RFID Localization and the Improvement Method
40765	Research of RFID Middleware Publish/Subscribe Mechanism Based on SOA
40818	A Trust-Third-Party Based Key Management Protocol for Secure Mobile RFID Service
40883	A General Inter-AP Handoff Model for the Express Mobile Gateway
40931	Test and analysis of passive UHF RFID readability in multipath environments
40975	Study on Design and Application of Wireless Sensor Network Based on Communication of Radio Frequency Identification System
41185	A hybrid power-saving algorithm based on linear growth in IEEE 802.16e
41225	The Road Lighting Control Technology Research Base on Ubiquitous Network
41775	A Novel Load Balancing Algorithm in IEEE 802.11 Wireless LANs with Cell Breathing
41910	Urgency and Proficiency based Packet Scheduling & CAC Method for IEEE 802.16
41948	The Wireless Channel Modeling for RFID System with OPNET
42069	An Improved MIEhD Backoff Algorithm In IEEE 802.11 MAC Layer
42088	Key issues of RFID reader network system
42168	Research on an Improved MRA Mechanism in 802.11n Network
42188	Budget Analysis of RF Transceiver Used in 5.8GHz RFID Reader Based on the ETC-DSRC National Specifications of China
42287	Design of 5.8 GHz Dielectric Resonator Oscillator Applied in Electronic Toll Collection
42469	A Revised One-way Hash based Low-cost Authentication Protocol In RFID System
42474	Analysis and Compare of Slotted and Unslotted CSMA in IEEE 802.15.4
40023	A Study of Transmission Control Protocol for Satellite Network
40161	A Simple Iterative Algorithm to achieve utility proportional fairness
40224	A Novel Split-Connection Mechanism Based on Satellite Transport Protocol
40260	A New Protocol to Improve Wireless TCP Performance and Its Implementation
40305	Routing Across Bad Node in the Application of AODVjr Local Repair Mechanism
40409	Research on a Improved Reliable Multicast Protocol in HF Data Communication
40468	A fast-roaming authentication method using ID-based encryption for the 3G user roaming between WLANs
40590	An Optimal ARQ Timer Design of File Delivery Time in CFDP NAK Model
40599	Parameter γ Conditions for Stability of FAST TCP in A Single-link Single-source

40611	A Packet Loss Discrimination Algorithm in Wireless IP Networks
40633	A Fair Accountability Protocol and Its Security Properties Analysis
40666	Reliable On-Demand Geographic Routing Protocol Resolving Network Disconnection for VANET
40726	Dynamic Relay Selection for ARQ Protocol in Wireless Cooperative Networks
40827	A RF-IPS algorithm for Peer-to-Peer Video-on-Demand system
40928	LPDHT: A Locality-Aware and Partitioned-Space Architecture for Peer-to-Peer SIP
40971	New routing update mechanisms of kademlia
40985	VCG Auction Based Hierarchical Bandwidth Sharing Scheme for Integrated Heterogeneous Networks
40995	Directional Forward Epidemic Routing for Disruption Tolerant Networks
41051	A DHCPv6 based MAP Selection Scheme for Hierarchical Mobile IPv6
41057	TB_Chord: An Improved Routing Algorithm to Chord Based on Topology-aware and Bi-Dimensional Lookup Method
41091	A Loss Differentiation Algorithm Based on ECN and its Emulation in Linux
41161	QE Modeling and Test Selection Based on PNFSM
41202	A Scheduling Algorithm for Improving Fairness between Uplink TCP Flows
41244	Design of Parallel Packet Switch Simulation System Based on NS2
41279	A Performance Evaluation of IPv6-Based Network Mobility Management
41345	Heuristic Based Multi-Hierarchy Passive Optical Network Planning
41353	Research on Congestion Control Model and Algorithm for High-speed Network Based on Genetic Neural Network and Intelligent PID
41375	A scheme for P2P optimization in access network
41392	Research of TCP Based on BP NN and Display Feedback Mechanism
41410	Popularity Based Mobile Peer-to-Peer Search Mechanism
41451	Cascaded Packet Transfer Schemes to Improve Wireless T-MPLS Network Bandwidth Efficiency
41458	Sub-Path Congestion Control In CMT
41535	Binary Search On Prefix Covered Levels For IP Address Lookup
41574	An enhanced TCP Veno over wireless local area networks
41784	A Credibility-based Congestion Control Method
41835	Performance Optimization of Multiple-Relay Decode-and-Forward Cooperation System
41838	Analysis on Threshold of Half-Rate for GSM Voice services
41847	Congestion Control Algorithms for a New TCP/UDP Router Based on 2-D Stability Conditions

41862	Research on TCP Flavors Performance over TDRS Link
41933	Simulation of MAC Protocol in Near Space Communication Network Based on TDMA
42006	An Network Reconfiguration Strategy for Customer Requirements Optimization
42020	An Adaptive MAC Protocol for LEO Satellites Network
42043	A More Efficient Diffusing Update Algorithm For Loop-Free Routing
42052	ADAPTIVE SAMPLING MEASUREMENT FOR HIGH SPEED NETWORK TRAFFIC FLOW
42072	Research on Direction Search Algorithm Based on LAN Agent in P2P Network
42074	DTDS: LAN Agent-Based Dynamic Transmit Direction Search Algorithm in P2P Network
42077	Multi-stream Opportunistic Routing Protocol for Multi-hop Wireless Networks
42155	Cross-layer Design: A Software Engineering Perspective
42173	An Implementation of Vertical Handoff in Heterogeneous Networks
42174	IDMA-based MAC protocol for next-generation satellite networks
42185	NBean: A HeteroPastry-Based P2P Proxy System
42197	A Segment Based SACK Scheme for Wireless TCP
42223	A Receiver Centric Congestion Control Mechanism
42228	An Optimized Design Method of TCP Over Hybrid Networks
42262	Declarative Composition Routing Protocols Adaptation in MANET Using Rough Set Theory
42275	One Method for Optimizing Network Efficiency Based on Resource Allocation
42323	The Important Impact of Energy in 802.11e EDCA Network
42342	Fast IP Network Recovery Using Imperative-Forwarding-Path Routing
42358	Maximum Throughput of ALOHA Employing Multiple Antenna Technique
42459	The Design and Implementation of CANopen Protocol Intelligent Analysis System
42480	Performance Study of Multi-rate MAC Protocol over Wireless Channel
42485	Formal Analysis and Improvement of Multi-party Non-repudiation Protocol
40063	Model and Algorithm of Tencent's Voice Service Identification Based on SAT: Session Association Technology
40336	Hybrid Model Network Simulation and Its Implementation in NS-2
40537	The Hurst Index Estimation and Network Performance Analysis Based On ON/OFF Model
40570	A Network Traffic Identification Method based on Finite State Machine
40575	A Novel Peer Relay Lookup Scheme for SIP+P2P VoIP System

40754	Traffic Analysis of P2P IPTV and Comparison with BT-like Application based on Live Measurement
40755	Application of QoS Based Grid Task Scheduling to on-line Examination System
40831	Research of replication in unstructured P2P network
40881	A system for fast positioning SLA violations
40899	Decision tree network traffic classifier via adaptive hierarchical clustering for imperfect training dataset
40914	Resources Scheduling of TT&C Network Based on Quantum Genetic Algorithm
40978	A New Traffic Engineering Routing Algorithm for MPLS Networks
40982	VoIP Traffic Capacity Estimation of Hybrid Network Based on Finite User Timely Refuse Model
40983	A Combined Fair Scheduling Algorithm for Combined-Input-Crosspoint-Queued Switch
41040	Performance analysis of the cognitive radio network with a call level queue for secondary users
41045	QoS-adaptive Bandwidth Allocation Scheme Based on Measurement Report Real-time Analysis
41074	A Multi-Constrained Quality of Service Routing Algorithm Based on Vector Converting
41139	Contrastive analysis of P2SP network and P2P network
41145	Application QoS for Video: Benchmarking, Control Strategies and Business Systems
41172	The Application of Ant Colony Algorithm on Mobile Multicast Routing
41197	Multiple Paths Selection Algorithm for DiffServ-Aware MPLS Traffic Engineering
41230	Research and Simulation of Improved DiffServ Network
41243	A Parallel Packet Switch Supporting Differentiated QoS Based on Weighted Layer Assignment
41257	Research on service level of city railway transport hub
41293	QoE-based Busy Time Management Structure for Data Services
41393	A Cooperative Strategy for Transmitting Data Traffic in Hotspot Cellular Mobile Communications
41405	Research of Traffic Modeling for Future Wireless Networks
41663	Randomness Better Nearest-Rarest in the P2P Clustering Networks
41665	QoS-aware Hierarchical Mobility Management using QoS NSLP
41681	A New Deterministic Linear Network Coding and Its Application on Multicast Network
41682	An On-line Routing Algorithm Based on the Off-line Optimal Computing in MPLS
41733	Estimation of Network Traffic Hurst Parameter Using HHT and Wavelet Transform
41742	A Frame Bit Allocation Algorithm in Mobile P2P Overlay Network
41809	Optimal Cross-layer Performance over MIMO Fading Channel with Adaptive Transmission
41896	One Method from LRD to SRD

41967	Packets forwarding based on NP in Multi-FE environment
41975	The QOS of the Edge Router Based on Diffserv/MPLS
42067	An Advanced Scheduling Algorithm in OFDM Wireless Communication Systems
42246	Distributed P2P Traffic Identification Method
42273	Research on Packet Convergence Sublayer Classifier in WiMAX System
42461	Address Difference Label Routing Protocol for Diffserv Network
42468	Provision and Analysis of QoS for Distributed Grid Applications
40021	The Research of DDoS Attack Detecting Algorithm Based on the Feature of the Traffic
40099	An autonomous road side infrastructure based system in secure VANETs
40155	A New Sequential Multi-Signature Scheme with Signers' Intentions
40277	An Risk Measurement Model for Assessing Information Systems
40280	A Strong Designated Verifier Ring Signcryption Scheme
40283	Study of Neural Network Technologies in Intrusion Detection Systems
40461	Protocol Analysis Through Alternating-time Temporal Logic and Timed Petri Net Models
40543	An Intrusive Intention Recognition Model Based on Network Security States Graph
40579	A Certificate Revocation Scheme for space network
40704	An Sub-signature Verification Protocol Using (t, k) Threshold RSA Signature Without Trusted Center
40731	Modeling and Analysis Malware Spread in Short-range Wireless Networks
40745	A Novel Dynamic Immunization Model basing on Alarm Information
40746	A multi-role authorization method used in heterogeneous wireless network
40805	Applied Research on Quantum key Distribution Technology in Distributed Space TT&C Network
40894	The Research of NIDS Based on Improved GA
40936	A Bidirectional-based DDoS Detection Mechanism
40945	Model Checking the SET Purchasing Process Protocol with SPIN
40958	Cryptanalysis of a remote user authentication scheme using smart cards
40967	Improving the Fixed-line Access Security for IMS
40973	Policy-based Behavior Control
40981	Design of a four-layer IDS Model Based on Immune Danger Theory
41000	One Extension of Authentication Test Based on Strand Space Model
41012	Security Analysis for SOA-SCA Based SDO and Solutions for 3 Capability Problems

41041	Monitoring Architecture for UMTS Networks
41092	Low-speed Wireless Networks Research and Simulation Based on RC5
41125	Efficient Mobile IP Registration in Certificateless Public Key Infrastructure Without Pairing
41221	The Simulation and Comparison of Routing Attacks on DSR Protocol
41237	Worm Propagation Modeling based on Two-Factor Model
41562	The Research on Enhanced Cost-Based Auto Intrusion Response Decision
41618	A threshold proxy signature scheme from bilinear pairings
41673	Dynamical Immunological Surveillance for Network Danger Evaluation Model
41783	Improving Anti-detection/interception Performance for Wireless Sensor Network Based on Time-Reversal Technology
41869	A Model for Web Services Composition Based on QoS and Providers' Benefit
42012	Design of a Danger Signal Detecting Model Based on Fuzzy-Set
42053	Method of Detecting the Sybil Attack Based on Ranging in Wireless Sensor Network
42066	A Novel Image Cryptosystem With Multiple Chaotic Maps
42147	Role-Based Collaboration Model of Security Devices
42149	An area optimized implementation of cryptographic algorithm RC5
42158	A Security-Enhanced Remote Platform Integrity Attestation Scheme
42167	Traceback-based Bloomfilter IPS in Defending SYN flooding attack
42175	A Certificateless-Based Key Distribution Scheme with Multi-KGCs In P2P Networks
42243	The Technology and Practice of Comprehensive Information Security Management for Wireless Mobile Environment
42258	Evaluation of Quality of Protection adding HVM in Wireless Network
42292	Identity-based Authentication protocol with Paring of Tate on WSN
42301	Distributed Architecture for Intrusion Detection System Based on Multi-SoftMan
42325	security and seamless mobility based architecture for hybrid network of enterprise
42344	Study of the Security Mechanism for Packet Radio Network Based on MIL-STD 188-220C
42368	Research on the Authentication Mechanism for 3G Mobile Communication System
42424	QuIT: Quantitative IP Traceback
42506	Local Area Network Anomaly Detection using Association Rules Mining

Poster Session 6: Services and Applications

ID	Title
40009	Improvements on sparse coding shrinkage and Contourlet transform for image denosing
40303	Prototype Implementation of Multi-Interface Management and Application Flow Redirection
40717	A Finite Queuing Adaptive Time-Threshold-Based Scheme for Cellular Multimedia Networks
40913	Video Codec Optimizations on Cortex A8
41009	A New Type of Automatic Ship Detection Method
41036	An Efficient H.264 Transcoder with Spatial Downscaling for Wireless Communications
41044	An Entire Frame Loss Recovery Algorithm for H.264/AVC over Wireless Networks
41123	Design and Implementation of An Intelligence Wireless Multimedia Sensor Networks Node
41256	Research on Adaptive FEC for Video Delivery over WLAN
41340	Research and design of a Node of wireless Multimedia Sensor Network
41344	A Study of End-to-End Video Robust Transmission Via WMN
41456	Using SIFT for the Filtering of Chinese Text in Image of Multimedia Message Service
41543	An Efficient Packet Scheduling Algorithm to Implement Throughput Differentiation for Wi-Fi Multimedia Devices
41768	Efficient Admission Control Scheme to Support QoS in WLANs
41950	Wireless VoIP Adaptive Source Rate Control Algorithm
41971	A COMBINATION OF DATA MINING METHOD WITH CONTEXT-BASED STATE TRANSFER FOR SPEECH/MUSIC DISCRIMINATION
42026	Multi-Stage Frame Error Concealment Algorithm for H.264/AVC Based on Estimated MB Feature
42040	Transcoding of H.264 bitstream to AVS bitstream
42103	A Historical Connection Information based Inter-Overlay Optimization Algorithm
42122	A Priority-based Hierarchical Application Layer Multicast Model
42353	Research on JPEG Image Retrieval
42432	A Context-Aware Multicast Approach for Multimedia Applications in Wireless Environment
42498	Performance Evaluation of IMS-based Push-to-Talk Service over Multiple Wireless Access Networks
40081	Integration and Optimization of the Closed-loop Supply Chain Based on Random Demand and Random Recycling
40192	Space Tracking System and Its Key Technological Analyses
40253	Design and Implementation of CTI System Based on TAPI3.x
40259	Implement Push to Talk Function in WinCE Based Terminals

40345	The Implementing of Software Configuration Management Based on CMM
40470	Study on Third Party Logistics Design Model of SCR
40539	Study on Collaboration Related Mobile Online Mapping
40680	P2P-based VoIP QoS Management in Heterogeneous Networks
40688	Suggestions for China' Logistics Parks based on Japan's Experience
40700	The Air Cargo Strategy Based on Apriori and ID3 Algorithm
40701	Improving Artificial Neural Networks Based on Hybrid Genetic Algorithms
40793	Emergency Communication for Electric Power System Based on Airship
40838	Valuation of liquidity discount:An option-theoretical approach
40859	Research on Converged Service Composition Based on Extending CSTA Services with OWL-S
40887	POWER LOAD FORECASTING BASED ON NEURAL NETWORK AND TIME SERIES
40965	Research on the High-Tech Project Risk Pre-warning Index Optimization
40970	Mashup-Based Web Page Adaptation for Small Screen Mobile Device
41004	Research on SLA management model in Service Operation Support System
41017	Research on Screening Methods of Single Forecast Model for Combination Forecast Modeling
41018	The Research of Event-triggered Application in Proactive SIM Card
41101	ANALYZE THE MOBILE PHONE TV STANDARD IN CHINA BY GAME THEORY
41134	Research on wireless process data acquisition technology based on Agent in remote manufacturing
41138	Study on Building Data Mining Application
41152	A study of precise vehicle speed measurement using Bluetooth and SCM technology
41232	The Network Externality and Game-playing Time Characteristics in Different Types of MMORPGs
41241	The Design of Communication Block for Marine Simulator
41315	Improving Performance of VoIP Services in IEEE 802.16 OFDMA System
41325	A Rich Media Service Architecture Based on 3GPP-DIMS
41327	A QoE based Evaluation of service quality on Wap in wireless network
41333	Constructing a Remote Monitoring and Control System based on 3G Mobile Networks
41396	Industrial Determinants of Business Group: Evidence from China
41476	A New Design and Application of Time Shift TV
41625	Design and Implementation of GPS/DR/GPRS Integrated Position and Monitoring System for Vehicle
41693	Parallel Algorithm Design for Binary Tree Traversing Sequence Based on Coding

41849	A Choreography Approach for Value-Added Services Creation
41874	Language Models for Web Object Retrieval
41906	Performance Evaluation of IEEE802.11-based Ad-hoc Wireless Networks in Vehicular Environments
41913	Using extended activity-network diagram to built a product design workflow model
41936	School Energy and Security Improvement System Based on Lonworks Technology
42010	Study on the earthquake cooperative emergency rescue auxiliary system
42027	Proxy-based Object Packaging and Compression: A Web Acceleration Scheme for UMTS
42037	The Research of Coastal Tide Collection Based On the Integration of CDMA Mobile Wireless Network and GPS-RTK Technology
42062	A Semantic Web-based Approach for Performance Management Service Composition
42073	An Acceptance Model of Wireless Mobile Data Services in China: Combining TAM with Consumer Behavior Model
42131	The Empirical Study of IS Development Teams' Performance in China
42200	Asset Price and Inflation Rate in China -- Empirical Research based on VAR Model
42298	An on-vehicle wireless remote alarm platform based on image processing
42326	Sharing Information With Controllable Precision by Distance Measuring in Mobile Social Network
42347	Semantic Matchmaking of Web Services Constraint Conditions
42419	Communication between the RoboCup Agents based on the blackboard model and observer pattern
42449	Study on the Dynamic Evolution of Virtual Community Based on Complex Adaptive System
42505	Workflow-based Embedded System Procedure Management
40534	Constrained Least Squares Algorithm for TOA-based Mobile Location under NLOS Environments
40584	An Algorithm for Circle Curve Fitting Based on the Constrained Least Square Model Represented by Mosaic Observation Points
40623	Mobile Positioning System Based on the Wireless Sensor Network in Buildings
40788	Analysis of Indoor Positioning Approaches Based on Active RFID
41021	Study on Applications of LBS based on Electronic Compass
41089	An AGPS Positioning Algorithm Based on the Secure User Plane Location Protocol
41109	The Strategy Design of Compression and Transmission on cGML Spatial Data and Its Application in LBS
41126	Observer Route Planning Algorithm in Pseudo-target Dynamic Feasible Region Constraint Method
41356	Research on Satellite Interference Geolocation based on Satellite Systems
41373	The Design of Mobile Target Monitoring System Based on VHF/TDMA Technology
41440	Design and Implementation of Mobile GeoSpatial Information System for Public Health Emergency

41598	Implementation of Large Number of Buildings Based On OpenGL
41672	A Novel Algorithm of NLOS Error Mitigation based on Kalman Filter in Cellular Wireless Location
41984	Mobile Location Estimator in mixed LOS/NLOS Conditions using UKF Banks
42179	Research of Indoor Local Positioning based on Bluetooth Technology
42184	Location-based Services to Control Roller Compaction Quality for Rock-fill Dams
42286	A New Scheme of LBS Privacy Protection
42391	An Intelligent Memory Card For LBS
42438	LBS-services of information integrated and decision supported in logistics industry
40285	HIP Based Real-name Access Mechanism in Next Generation Internet
40389	A Remote User Authentication Scheme Preserving User Anonymity and Traceability
40562	Security Analysis on “A Chaotic Fragile Watermarking Technique with Precise Localization”
40799	A New Authentication Model Based on CL-PKC in Resource limited P2P Systems
40810	Design and Implementation of Load Test for 3G Online Charging System
40949	An Improved Dynamic Identity Authentication Scheme Based on PKI-SIM Card
41214	A New Model for Continuous Network Access Control of Trusted Network Connection
41721	A Fragile Watermarking Scheme Based On SVD for Web Pages
42451	Identity-based Uploading Content Scheme in DRM
40145	A Rough Set Based Decision Analysis of Students’ Score Database
40385	A Data Architecture Model Based on IDEF0 for Business-to-Business Electronic Commerce
40424	Lightweight-ALE-Based Embedded RFID Middleware
40430	Making Customer Intention Tactics with Network Value and Churn Rate
40698	A Study on E-government System Security based on Fuzzy Analytic Hierarchy Process
40703	Estimation and Analysis of the Cost for Healthy China By 2020
40757	A Method of Deciding the Security in Publishing Views
40861	Temporal-Spectral Data Mining in Anomaly Detection for Spectrum Monitoring
40868	Interface Model Mapping Adapter in Network Management: From CORBA to Ontology
40877	Design and Implementation of WAP-Based Teaching Information Service System
40918	A kind of Spatial Data Storage System Based on Global Subdivision Theory for Mobile GIS
41129	The Multi-Tenant Data Architecture Design for the Collaboration Service System of Textile & Apparel Supply Chain

41132	Effective Data Replication in Heterogeneous Structured P2P Networks
41385	Dynamic Load Balancing with Multiple Hash Functions in Structured P2P Systems
41510	A Dynamic Load Balancing Method for Spatial data Network Service
41518	Research on the Method of Nonlinear Dimensionality Reduction for the Text of Laws and Regulations of construction
41600	Using SVG Technique to Organize and Display Data of Embedded GIS
41701	Study on Wave Impact Force Prediction of Different Shore Connecting Structure Based on Improved BP Neural Network
41864	Three Mathematical Approaches for Trust Trend Evaluation
41867	A prediction QOS approach reputation-Based in web services
41877	An Approach of Agent-Based Architecture for Autonomic Network Management
41883	Calculation and analysis of typical coastal low-tide marks based on Lidar data
41960	The Raster Data Management in a Spatial Data Grid
41968	Information Modeling and Autonomic Configuration Management of Femto Network
42049	The Research in Improving the Quality of DW Data
42130	A Signal Filter Based Clustering Algorithm
42157	Organization Reliability Modeling of ship oil spill emergency management based on Bayesian network
42453	Research on the Acquirement of Enterprise Risk Competitive Intelligence Based on Data Mining
40387	A New Prediction Function for File Replication in Mobile Grids
40605	Design and Implementation of DTN Network Testbed based on Linux
40626	MLGL: A Spatial Data Model for Mobile Geoinformatics and Cartography
40655	The Workflow Automaton in Ad Hoc Network
40739	The Monitoring of Host Computer for Forest Fire Detection System based on Wireless Sensor Network
40840	A Collaborative Learning Service for SNS in Ubiquitous Computing Environment
40855	Double Agent Architecture: A Framework for Personal Mobility
40909	Research for A Dynamic Key Establishing Algorithm suitable for mobile computer
40915	A Water-saving Irrigation System Based on Fuzzy Control Technology and Wireless Sensor Network
41288	The Capacity of Hierarchical Wireless Networks
41328	Potential of IR-UWB Technology for Ubiquitous Computing
41435	Study on the functions and characteristics of interfaces in CBTC
41697	Research of Real-time Performance of Operating System

41710	Research on Mobile MOM Supporting Data Sharing
42036	A Cross-layer Method to Improve Mobile Database Synchronization Performance
42054	The Research of Resource Auction Incentive Mechanism in Mobile P2P
42118	A Service Composition Method for Mobile Environment
42288	An Optimized Solution for Mobile Environment Using Mobile Cloud Computing
42502	Independent Tasks Scheduling Based on Genetic Algorithm in Cloud Computing

Instructions for WiCOM 2009 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:

- Regular Oral Session: 15 Minutes of Presentation, 5 Minutes of Q&A
- Keynote 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



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