Poster Session 1: Monday 30th Jan., 10:15–12:30

Key: [pa] = paper in proceedings

M1. *Xiangyun Zhou, Tharaka A. Lamahewa, Parastoo Sadeghi and Are Hjørungnes*: Relaying Energy Allocation in Training-Based Amplify and Forward Relay Communications [pa]

M2. *Wei-Lung Mao, Wei-Ming Wang, Jyh Sheen and Po-Hung Chen*: The UKF-based RNN Predictor for GPS Narrowband Interference Suppression [pa]

M3. *Prasanna Herath, Upul Gunawardana and Ranjith Liyanapathirana*: Distributed Switch-and-Examine Combining with Threshold-Based Relaying [pa]

M4. *Ido Nevat,Gareth Peters and Iain B. Collings*: Location-aware Cooperative Spectrum Sensing via Gaussian Processes [pa]

M5. *Ramin Vali and Stevan Berber*: Using Chip Interleaving to Improve Chaos-based Code Tracking Performance [pa]

M6. *Dushyantha Basnayaka, Peter J. Smith and Philippa A. Martin*: Symbol Error Rate Performance for Macrodiversity Maximal Ratio Combining in Flat Rayleigh Fading [pa]

M7. *Arezu Rezazadeh and Ghosheh A. Hodtani*: A General Upper Bound for the Capacity of Free Space Optical Channel and the Corresponding Optimal Input Distribution [pa]

M8. *Hamid Dadkhahi, Terence Chan, Ingmar Land*: Coding for Multiple Packets in Erasure Networks [pa]

M9. *Qimin You, Yonghui Li, Md Shahriar Rahman, Zhuo Chen*: A Near Optimal Viterbi Algorithm Based Routing Scheme for Multi-hop Relay Networks [pa]

M10. *Muhammad N. Khan, William G. Cowley and Khoa D. Nguyen*: Link adaptation of FAHOR communication system [pa]

M11. *Qinghua Shi*: Gauss-Hermite Quadrature Based Approximation to the Generalized Marcum Q-Function and Its Applications

M12. *Gottfried Lechner and Sarah Johnson*: Spatially Coupled Repeat-Accumulate Codes

M13. *Meng Wang, Feng Li, Jamie S. Evans and Subhrakanti Dey*: Throughput Optimization via Semi-orthogonal User Scheduling in Multi-User MIMO System with Limited Feedback

M14. *Nicholas Pau, Graeme Woodward, Jim Cavers and Clive Horn*: LTE Downlink Performance for Large Cells

M15. *Nirmal Fernando, Yi Hong, and Emanuele Viterbo*: Flip-OFDM

M16. *Robby G. McKilliam and Alex Grant*: Finding short vectors in a lattice of Voronoi's first kind

Poster Session 2: Tuesday 31st Jan., 10:15–12:30

T1. *Antonio Cantoni, Jian (Andrew) Zhang, Xiaojing Huang and Y. Jay Guo*: Sidelobe Suppression with Orthogonal Projection for OFDM Systems [pa]

T2. *Wayes Tushar, David B. Smith, Tharaka A. Lamahewa*: Distributed Transmit Beamforming: Data Funneling in Wireless Sensor Networks [pa]

T3. *J. Harshan and Emanuele Viterbo*: On the Robustness of Algebraic STBCs to Coefficient Quantization [pa]

T4. *He Wang and Mark C. Reed*: Tractable Model for Heterogeneous Cellular Networks with Directional Antennas [pa]

T5. *Rajan Kadel and Gottfried Lechner*: Full Diversity Binary Message-Passing Decoders for Block Fading Channels [pa]

T6. *Nayeema Sadeque, Ingmar Land and Ramanan Subramanian*: A Successive Relaying Protocol for a Cooperative Three-Relay Network [pa]

T7. *Salim Namik, Kevin W. Sowerby and Michael J. Neve*: Are DS-CDMA Indoor System Deployments Appropriate for OFDM Networks? [pa]

T8. *YuanYuan He and Subhrakanti Dey*: Outage Minimization in Cognitive Radio Networks with Limited Feedback [pa]

T9. *Udara S. Wijetunge, Sylvie Perreau and André Pollok*: Distributed Delay Minimization in Stochastic Routing for Wireless Sensor Networks [pa]

T10. *Sudhir Singh, Paul D. Teal, Pawel A. Dmochowski and Alan J. Coulson*: Power Allocation in Underlay Cognitive Radio Systems with Feasibility Detection [pa]

T11. *Alex Grant, Ingmar Land and Guangsong Wang*: Iteration-constrained design of IRA codes

T12. *Constantin (Costi) Siriteanu and Yoshikazu Miyanaga*: On an Approximation of the Noncentral-Wishart Distribution with a Central-Wishart Distribution

T13. *Tharaka Samarasinghe, Hazer Inaltekin and Jamie Evans*: Optimal Selective Feedback Policies for Opportunistic Beamforming Under Average and Peak Feedback Load Constraints

T14. *Reza Arablouei and Kutluyil Doğançay*: Adaptive Equalization of Wideband MIMO Channels with Separate ISI and ICI Cancellation

T15. *Jeewani Kodithuwakku and Robby McKilliam*: Decoder-assisted code acquisition for multiuser CDMA systems

T16. *Julian Webber, Toshihiko Nishimura, Takeo Ohgane and Yasutaka Ogawa*: Performance Enhancement of Adaptive-Threshold Bit-Flip Decoders

T17. *Giovanni Geraci, Jinhong Yuan and Iain B. Collings*: Secrecy Sum-Rates for Multi-User MIMO Linear Precoding

Poster Session 3: Wednesday 1st Feb., 10:15–12:30

W1. *Thuy N. Tran, William Cowley and André Pollok*: Voice Activity Classification using Beamformer-Output-Ratio [pa]

W2. *Chinthani Uduwerelle, Siu-Wai Ho and Terence Chan*: Design of an Error-free Perfect Secrecy System for Unknown Inputs [pa]

W3. *Joon-Yong Lee and ChangKyeong Kim*: Effect of UWB multiple access schemes on the power of multiuser interference [pa]

W4. *Terence Betlehem and Alan J. Coulson*: Distribution of the sum of a complex Gaussian and the product of two complex Gaussians [pa]

W5. *Chang Kyung Sung and Iain B. Collings*: Cross-layer Design for Spectrum Sensing with Selection Diversity for Cognitive Radio Systems [pa]

W6. *Yixuan Xie, Jun Li, Robert Malaney and Jinhong Yuan*: Channel Identification and its Impact on Quantum LDPC Code Performance [pa]

W7. *Wayes Tushar, David B. Smith, Tharaka A. Lamahewa and Jian (Andrew) Zhang*: Non-cooperative Power Control Game in a Multi-Source Wireless Sensor Network [pa]

W8. *Abdulla Firag, Peter J. Smith, Apostolos Papathanassiou, Mansoor Shafi, Dushyantha Basnayaka, Philippa Martin*: A Comparison of Linear Transceiver Techniques in Multiuser MIMO Broadcast Systems [pa]

W9. *Volkan Dedeoglu, Sylvie Perreau, and Alex Grant*: Distributed Energy Consumption Minimization for Lossless Data Gathering Wireless Sensor Networks [pa]

W10. *Saeed Ur Rehman, Kevin W. Sowerby and Colin Coghill*: RF Fingerprint Extraction from the Energy Envelope of an Instantaneous Transient Signal [pa]

W11. *Anuradha Wickramasooriya, Ingmar Land and Ramanan Subramanian*: Comparison of code constructions for the wiretap channel

W12. *Leith Bade and Mark C. Reed*: Optimisation of Small Cells for Maximising Throughput

W13. *Lawrence Ong and Sarah Johnson*: The Capacity Region of A Class of Multi-Way Relay Channels with Deterministic Uplinks and Arbitrary Downlinks

W14. *Gayathri Kongara, Graeme Woodward, Kishore Mehrotra, Jim Cavers and Doug McConnell*: MIMO Adaptive Frequency Domain Equalization for Single Carrier Modulation

W15. *Sara Sangtarash, Geordie Zhang, Horace L. King, T. A. Rahman*: Using Cognitive Radio to Enhance Coexistence and Sharing Between DVB-T and LTE System

W16. *Eva Dorschky, and Aaron Reid*: Astronomical transient detection

W17. *Ehsan Nekouei, Hazer Inaltekin and Subhrakanti Dey*: New Throughput Scaling Results for Cognitive Multiple Access Channels