Program of the 2nd International Conference on Signal Processing and Communication Systems

Gold Coast, Australia, 15-17 December 2007

Monday, 15 December 2008

8:00 a.m. – 9:00 a.m.	***Registration***
9:00 a.m. – 9:05 a.m.	**Official Opening**
9:05 a.m. – 10:45 p.m.	**Session 1 – Communication Theory and Techniques 1**
10:45 a.m. – 11.10 a.m.	***Coffee Break***
10:45 a.m. – 12.40 p.m.	**Poster Session 1 – Signal Processing**
11:10 a.m. – 12:40 p.m.	**Session 2 – MIMO Systems**
12:40 p.m. – 1:30 p.m.	***Lunch***
1:30 p.m. – 3:00 p.m.	**Session 3 – Signal Processing for Multimedia 1**
1:30 p.m. – 3:30 p.m.	**Poster Session 2 – Communication Systems**
3:00 p.m. – 3:30 p.m.	***Coffee Break***
3:30 p.m. – 5:00 p.m.	**Session 4 – Wireless Networking 1**
6:00 p.m. – 7:00 p.m.	***Cocktail Reception***

Tuesday, 16 December 2008

9:00 a.m. – 10:30 a.m.	**Session 5 – Wireless Networking 2**
10:30 a.m. – 11.00 a.m.	***Coffee Break***
10:30 a.m. – 12.30 p.m.	**Poster Session 3 – Communication Systems**
11:00 a.m. – 12:30 p.m.	**Session 6 - Signal Processing for Multimedia 2**
12:30 p.m. – 1:30 p.m.	***Lunch***
1:30 p.m. – 3:00 p.m.	**Session 7 - Communication Theory and Techniques 2**
1:30 p.m. – 3:30 p.m.	**Poster Session 4 – Signal Processing**
3:00 p.m. – 3:30 p.m.	***Coffee Break***
3:30 p.m. – 5:00 p.m.	**Session 8 - DSP Algorithms and Hardware Implementations**
7:00 p.m. – 11:00 p.m.	***Banquet***

Wednesday, 17 December 2008

9:00 a.m. – 10:30 a.m.	**Session 9 – Communication Theory and Techniques 3**
10:30 a.m. – 11.00 a.m.	***Coffee Break***
10:30 a.m. – 12.30 p.m.	**Poster Session 5 – Signal Processing**
11:00 a.m. – 12:30 p.m.	**Session 10 - Communication Theory and Techniques 4**
12:30 p.m. – 1:30 p.m.	***Lunch***
1:30 p.m. – 3:00 p.m.	**Session 11 – Unconventional Applications of Signal Processing**
1:30 p.m. – 3:30 p.m.	**Poster Session 6 – Communication Systems**
3:00 p.m. – 3:30 p.m.	***Coffee Break***
3:30 p.m. – 5:00 p.m.	**Session 12 – Signal Processing for Multimedia 3**

End of the Conference

Session 1 – Communication Theory and Techniques 1

Chair: Prof. Tadeusz A Wysocki

1. Keynote Address – Secure Key Distribution for Wireless Sensor Networks, *Reihaneh Safavi-Naini, University of Calgary*
2. An Effective Multibit-Flipping Algorithm for LDPC Decoding, *Jui-Hui Hung, Sau-Gee Chen, National Chiao Tung University*
3. Channel Reliability in Turbo-Coded DS/CDMA Systems under Rayleigh Fading Channels, *Wagner Okano, Fernando Ciriaco, Electrical Engineering Department, State University of Londrina; Taufik Abrao, State University of Londrina*
4. Joint Selection Combining and Power Loading Transmission with Adaptive M-QAM in Multi-Channel System, *Sangdo Lee, Samsung Electronics; Young-Chai Ko, Korea University*
5. Multiuser Communications for Underwater Acoustic Networks using MIMO-OFDM-IDMA, *Lance Linton, Phillip Conder, Mike Faulkner, Victoria University*
6. Optimizing Probability of Detection in a Wireless Sensor Network Radio Frequency Array, *William Lintz, John McEachen, Murali Tummala, Naval Postgraduate School*

Session 2 – MIMO Systems

Chair: Prof. Hikmet Sari

1. An Asymmetric 2 × 2 Space-Time Code with Linear Maximum-Likelihood Decoder Complexity, *Serdar Sezginer, Sequans Communications; Hikmet Sari, Supelec*
2. Low-Complexity MIMO Detection Using A List Projection Technique, *Wen-Rong Wu, National Chiao-Tung University; Nan-Chiun Lien, National Chiao Tung University*
3. LTE Spectral Efficiency using Spatial Multiplexing MIMO for Macro-cells, *Pedro Vieira, ISEL and IT/IST Technical University of Lisbon; Paula Queluz, António Rodrigues, IT/IST, Technical University of Lisbon*
4. Three-Hop MIMO Relaying Systems in Gaussian Broadcast Channels, *Do-Hoon Kim, Young-Chai Ko, Korea University; Seung-Keun Park, Electronics and Telecommunications Research Institute (ETRI)*
5. Network capacity improvement with two dimensional MIMO network coding, *Khanh Tran Gia, Kei Sakaguchi, Tokyo Institute of Technology, Fumie Ono, Yokohama National University, Kiyomichi Araki, Tokyo Institute of Technology*

Session 3 – Signal Processing for Multimedia 1

Chair: TBA

1. The Phase-Based Gabor Fisher Classifier and its Application to Face Recognition Under Varying Illumination Conditions, *Vitomir Štruc, Boštjan Vesnicer, Nikola Pavešić, Faculty of Electrical Engineering, University of Ljubljana*
2. A Visual Front-End for a Continuous Pose-Invariant Lipreading System, *Patrick Lucey, Sridha Sridharan, Queensland University of Technology*
3. Error Sensitivity Analysis for Wireless JPEG2000 Using Perceptual Quality Metrics, *Muhammad Imran Iqbal, Hans-Jürgen Zepernick, Ulrich Engelke, Blekinge Institute of Technology*
4. Homography-based Image Mosaicing for Automatically Removing Partial Foreground Objects , *Takeaki Iiyoshi, Wataru Mitsuhashi, The University of Electro-Communications*
5. Reduced Set Support Vector Machines: Application for 2-Dimensional Datasets, *Shahrani Shahbudin, Aini Hussain, National University of Malaysia*

Session 4 – Wireless Networking 1

Chair: TBA

1. Comparison of Weighted-Average and Median Filters for Wireless Retransmission Timeout Estimation, *John Leis, Auc Fai Chan, University of Southern Queensland*
2. Development and Performance Evaluation of a Flexible, Low Cost MANET, *Mehran Abolhasan, B. Hagelstein, Jerry Wang, Daniel Franklin, F. Safaei, University of Wollongong; Tadeusz A Wysocki, University of Nebraska-Lincoln*
3. Energy Efficient and Stable Weight Based Clustering for Mobile Ad-Hoc Networks, *Safar H. Bouk, Iwao Sasase, Keio Univesity*
4. Impact of Probability of Transmission on Slotted ALOHA for Wireless Networks Employing MIMO Spatial Multiplexing, *Konglit Hunchangsith, Marek E Bialkowski, and Feng Wang, The University of Queensland*
5. Node Localisation in Wireless Ad Hoc Networks using Time Difference of Arrival, *Jon Arnold, Defence Science & Technology Organisation; Nigel Bean, University of Adelaide*

Session 5 – Wireless Networking 2

Chair: TBA

1. Keynote Address – Design, Implementation and Applications of Low-Complexity LDPC Codes, *B. Honary, B. M. Heravi, S. Kariyawasam, N. Pandya, Department of Communication Systems, Lancaster University*
2. Outage Probability Analysis of a Diamond Relay Network with Opportunistic Spectrum Access, *Nusrat Ahmed Surobhi, Mike Faulkner, Victoria University*
3. Performance of Real-Time Multicast/Broadcast Services over TDD-OFDMA, *David Chieng, BT Malaysian Research Centre; Huan Len Chan, BT; Tan Chor Min, BT Group; Su Wei Tan, Multimedia University*
4. Route Optimization for Proxy Mobile IPv6 in IMS Network, *Tsunehiko Chiba, Hidetoshi Yokota, KDDI R&D Laboratories; Ashutosh Dutta, Dana Chee, Telcordia Technologies; Henning Schulzrinne, Columbia University*
5. Wireless Network Coding in Multi-Cell Networks: Analysis and Performance, *Jawad Manssour, Ericsson AB; Afif Osseiran, Ericsson Research; Ben Slimane, KTH*

Session 6 - Signal Processing for Multimedia 2

Chair: TBA

1. Adaptive Circular Object Dectection, *Christopher Young, Ju Jia Zou, University of Western Sydney*
2. Autocorrelation Analysis of Spatial Features for Mobile Video Services, *Feng Wang, Hans-Jürgen Zepernick, Blekinge Institute of Technology*
3. Deformable Object Tracking with Statistical Models, *Zhuan Huang, Zhuhan Jiang, University of Western Sydney*
4. Robust EZW Image Transmission Scheme Using Distributed-Alamouti Codes in Relay Networks, *Trung Q. Duong, Hans-Jürgen Zepernick, Blekinge Institute of Technology*
5. Performance Evaluation of MPEG-4 Video Transport in Rayleigh Fading Channel, *Ghaida AL-Suhail, University of Basrah, Computer Engineering Department*

Session 7 – Communication Theory and Techniques 2

Chair: TBA

1. A Broadband Antenna Array Pattern Synthesis Technique with Very Low Sidelobes, *M. R. Sayyah Jahromi, Lal C Godara, UNSW*
2. Analysis and Design of Low-Profile High-Gain Resonant Cavity Antennas with Single-Layer Superstrates, *Yuehe Ge, Karu Esselle, Macquarie University*
3. Optimum Discrete Signaling over Channels with Arbitrary Noise Distribution, *Rudolf Mathar, Anke Schmeink, Milan Zivkovic, RWTH Aachen University*
4. Signal Sensing for Cognitive Radios Using Synthetic Multipath, *Mohammed Alamgir, Michael Faulkner, Phillip Conder, Victoria University*

5. The Effect of Amplifier Distortion and Filter Type on BER of WCDMA-UMTS Mobile Radio, *Keith Kikkert, James Cook University*
6. Distributed Unitary Space-Time Modulation in Partially Coherent and Noncoherent Relay Networks, *Duy H. N. Nguyen, Ha H. Nguyen, University of Saskatchewan; H. D. Tuan, University of New South Wales*

Session 8 - DSP Algorithms and Hardware Implementations

Chair: TBA

1. A Digital Signal Processing Based Ka Band Satellite Beacon Receiver / Radiometer, *Keith Kikkert, Owen Patrick Kenny, James Cook University*
2. An Optimized Sector Nulling Technique for Broadband Antenna Array, *Lal C Godara, M. R. Sayyah Jahromi, UNSW*
3. Cost-Effective Implementation of TETRA Codec Using the Primitive Functions of the Compiler, *Kyungjin Byun, Bon-Tae Goo, Nak-Woong Eum, ETRI*
4. Study on Multi-Channel Receiver based on Polyphase Filter Bank, *Masashi Iwabuchi, Kei Sakaguchi, Kiyomichi Araki, Tokyo Institute of Technology*
5. Voice Activity Detection using AdaBoost with Multi-Frame Information, *Tohru Usukura, Wataru Mitsuhashi, The University of Electro-Communications*

Session 9 – Communication Theory and Techniques 3

Chair: TBA

1. A Simplified Implementation of a Probabilistic Equalizer for Impulse Radio UWB in High Data Rate Transmission, *Sami Mekki, Ecole Nationale Supérieure des Télécommunications de Paris (ENST); Jean-Luc Danger, Ecole Nationale Supérieure des Télécommunications de Paris*
2. An Effective and Scalable Multiuser Architecture for the Base Station Receiver, *Youssef, Monteiro, Dandache, Diou, University Paul Verlaine-Metz*
3. FFH/BFSK Suboptimum Maximum-Likelihood Receiver over Frequency-Selective Rician Fading Channel with Worst Case Band Multi-tone Jamming, *Mozayan Ghobadi, Mahmoud Kamarei, University of Tehran*
4. Improved Performance of OFDM Systems for Fast Time-Varying Channels, *Eva Peiker, Jan Dominicus, Werner Teich, Juergen Lindner, University of Ulm*
5. Optimal Training Sequence Design for MIMO-OFDM in Spatially Correlated Fading, *Viet D. Luong, Nam Tran Nguyen, H. D. Tuan, University of New South Wales*

Session 10 – Communication Theory and Techniques 4

Chair: TBA

1. Simplified Local Search Multiuser Detection for QPSK S/MIMO MC-CDMA Systems, *Leonardo D. de Oliveira, Escola Politecnica da Universidade de Sao Paulo EPUSP; Taufik Abrao, State University of Londrina; Bruno A. Angélico, Paul Jean E. Jeszensky, Escola Politecnica da Universidade de Sao Paulo EPUSP; Fernando Casadevall, UPC*
2. Space Sensing based Random Access in SIMO-OFDM Systems, *Chengkang Pan, Yueming Cai, Institute of Communications Engineering, PLAUST; Youyun Xu, Institute of Communications Engineering of PLAUST*
3. Theoretical multipath channel model during rain for BFWA employed in dense urban areas, *Michael Cheffena, University Graduate Center - UNIK; Torbjörn Ekman, Norwegian University of Science and Technology*
4. User Selection Based on Feedback Threshold for MIMO Broadcast Channels, *Youyun Xu, Institute of Communications Engineering of PLAUST; Jinwang Zhao, Yueming Cai, Institute of Communications Engineering, PLAUST*

Session 11 – Unconventional Applications of Signal Processing

Chair: TBA

1. Spherical Harmonic Analysis and Model-Limited Extrapolation on the Sphere: Integral Equation Formulation, *Rodney A. Kennedy, Wen Zhang, The Australian National University; Thushara Abhayapala, Australian National University*
2. Lung sound localization using array of acoustic sensors, *S.M. Akramus Salehin, The Australian National University; Thushara Abhayapala, Australian National University*
3. Efficient Blind Separable Kernel Deconvolution for Image Deblurring, *Rodney A. Kennedy, Pradeepa D. Samarasinghe, The Australian National University*
4. Automatic Audio Segmentation Using the Generalized Likelihood Ratio, *David Wang, Robert Vogt, Michael Mason, Sridha Sridharan, Queensland University of Technology*
5. Artificial Neural Network For Identification Of Heart Problem, *Nooritawati Md Tahir, University Technology MARA*
6. Multi-site nerve cuff based implantable system for wide bandwidth ENG signal recording, *Xianhong Xu, C.T. Clarke, J.T. Taylor, University of Bath*

Session 12 – Signal Processing for Multimedia 3

Chair: TBA

1. A Study of Phonetic Feature Representations for SVM-Based Speaker Verification, *Erik Merkley, Brendan Baker, Robert Vogt, Sridha Sridharan, Queensland University of Technology*
2. Maximum Likelihood Estimation of Time Delays in Multipath Acoustic Channel, *Tarkeshwar Prasad Bhardwaj, National Institute of Technology, Hamirpur; Ravinder Nath, NIT Hamirpur*
3. Shape Invariant Recognition of Polygonal Road Signs by Deforming Reference Templates, *Jun Yuyama, Wataru Mitsuhashi, The University of Electro-Communications*
4. Speech Endpoint Detection Using Gradient Based Edge Detection Techniques, *Houman Ghaemmaghami, Robert Vogt, Sridha Sridharan, Michael Mason, Queensland University of Technology*
5. Statistical Analysis Approach for Posture Recognition, *Nooritawati Md Tahir, University Technology MARA*

Poster Session 1 – Signal Processing 1

1. A Design Technique for Microstrip Filters, *Keith Kikkert, James Cook University*
2. FPGA Implementation of Spectral Subtraction for In-Car Speech Enhancement and Recognition, *Jim Whittington, Kapeel Deo, LaTrobe University; Tristan Kleinschmidt, Michael Mason, Queensland University of Technology*
3. Non-linear Echo Cancellation a Bayesian Approach, *Ron Addie, Stephen Braithwaite, University of Southern Queensland*
4. Real-Time Edge Adaptive Color Interpolation for an Ultra Small HD-Grade Video Sensor in Mobile Devices, *Hyunsoo Kim, Dong-A University; Joohyun Kim, Wontae Choi, SAMSUNG Electro-Mechanics Co. Ltd; Bongsoon Kang, Dong-A University*
5. Signal Identification for a Wide-Range Sound (Piano) Using Notch and Resonator-Type Comb Filters, *Yoshiaki Tadokoro, Fumiya Matsushita, Toyohashi University of Technology*
6. Small Signal Modeling for the Smart Power IC, *Hai Xu, Hee-Jun Kim, Hanyang University, Kefei Zhang, RMIT University*
7. Towards Smart-Pixel-Based Implementation of Wideband Active Sonar Echolocation System for Multi-Target Detection, *Jason Tseng, Marina Cole, University of Warwick*
8. A Multimodal Iris Recognition Using Gabor Transform and Contourlet, *HyunJoo Koh, Wook Jae Lee, Myung Geun Chun, Chungbuk National University*
9. Advanced directionally weighted demosaicing for digital camera, *Jung Tae-young, Siyoung Yang, Joohyun Lee, Jechang Jeong, Hanyang University*
10. Affine Registration Using Graph Representations of Images, *Tamir Nave, Joseph Francos, Ben Gurion University*

11. A Pattern Recognition System for Environmental Sound Classification based on MFCCs and Neural Networks, *Francesco Beritelli, Rosario Grasso, University of Catania*

Poster Session 2 – Communication Systems 1

1. A Comparision of Packet Scheduling algorithms for OFDMA Systems with Delay Requirements, *Yueming Cai, Yujiangjake, Institute of Communications Engineering, PLAUST; Youyun Xu, Institute of Communications Engineering of PLAUST*
2. A Low-Complexity High-Performance Decoding Algorithm for Fixed-Point LDPC Decoder, *Jui-Hui Hung, Sau-Gee Chen, National Chiao Tung University*
3. Application of SVD to Sense Wireless Microphone Signals in a Wideband Cognitive Radio Network, *Shaoyi Xu, Nokia Research Center*
4. Effects of Nonlinear Amplifiers and Narrowband Interference in MIMO-OFDM with Application to 802.11n WLAN, *David Chi, Pankaj Das, University of California, San Diego*
5. Investigation into a Whitening-Rotation-Based Semi-blind MIMO Channel Estimation for Correlated Channels, *Xia Liu, School of ITEE, University of Queensland; F. Wang, University of Queensland; Marek E Bialkowski, The University of Queensland*
6. Modeling and validation of the parameters of a Quad Cable, *Wim Foubert, Carine Neus, Leo Van Biesen, Yves Rolain, Vrije Universiteit Brussel*
7. MUSIC-LS Modal Channel Estimation for an OFDM-OQAM System, *Giovanni Garbo, Stefano Mangione, Vincenzo Maniscalco, Università di Palermo*
8. Neural Equalizer for Time Varying Channel Using Gauss-Newton Training Algorithm, *Claudio J C Santos, Universidade Federal da Bahia; Oswaldo Ludwig Junior, Universidade de Coimbra; Pablo Corral Gonzalez, Universidad Miguel Hernández de Elche; Antonio C de C Lima, Universidade Federal da Bahia*
9. On MIMO K-Best Sphere Detector Architecture Complexity Reductions, *Johan Löfgren, Peter Nilsson, Lund University*
10. Orientation Analysis for Antenna Diversity Using Circular Polarization, *Yu Chieh (Brian) Huang, Queensland University of Technology; Bouchra Senadji, Queensland University of Technology, Brisbane, Australia*

Poster Session 3 – Communication Systems 2

1. Pilot-aided Carrier Frequency Offset Estimation for OFDM systems, *Min Ho Jin, Young Min Cho, Yonsei University; Janghoon Yang, University of Yonsei; Dongku Kim, Yonsei university*
2. A Serial MAC Architecture for FPGA Implementation of a Complex Adaptive Beamformer, *Tariq Salim, Univeristy of Adelaide*
3. Semantic Web Services Offer Discovery using OWL-S IDE, *Nay Zar Chi Htoo, University of Computer Studies, Yangon; Thi Thi Soe Nyunt, University of Computer Studies, Yangon*
4. From Ethernet to Synchronous Ethernet, *Dinh Thai Bui, Alcatel-Lucent; Michel Le Pallec, Alcatel-Lucent*
5. A concept on signaling spacial network conditions to provide Quality of Service in a VANET, *Bernhard Wiegel, Yvonne Guenter, Hans Peter Großmann, University of Ulm*
6. An Intelligent Scheme of Secure Routing for Mobile Ad Hoc Networks, *Zhongwei Zhang, University of Southern Queensland*
7. Analysis of Vertical Session Handoff for Self-Similar Traffic in a Heterogeneous Mobile Data Network, *Kumudu Munasinghe, Abbas Jamalipour, University of Sydney*
8. Application of directional antenna to wireless multihop network enabled by IPT forwarding, *Kei Mitsunaga, Hiroshi Furukawa, Yukinori Higa, Kyushu University*
9. Connectivity of Ad Hoc Networks: Is Fading Good or Bad?, *Xiangyun Zhou, Salman Durrani, The Australian National University; Haley Jones, Australian National University*
10. Mobile Ad-hoc Network Key Management with Certificateless Cryptography, *Zhenfei Zhang, Willy Susilo, Raad Raad, University of Wollongong*

Poster Session 4 – Signal Processing 2

1. Adaptive Sampling Strategy for Accurate and Scalable Anomaly Detection in NGMN, *Fazirulhisyam Hashim, Abbas Jamalipour, University of Sydney*

2. Fluency Enhancement of Machine Translation, *Amal Punchihewa, Steve L. Manion, Massey University*
3. An Efficient Two-stage Approach for Impulse Noise Reduction from Digital Images Using Artificial Neural Network, *Alireza Rezvanian, Azad University of Qazvin; Karim Faez, Amirkabir University of Technology*
4. Audio Data Retrieval and Recognition Using Model Selection Criterion, *Konstantin Biatov, Fraunhofer IAIS*
5. Estimation of Data Hiding Capacity of Digital Video based on Human Visual Model in Temporal Domain, *Hanieh Khalilian, Shahrokh Ghaemmaghami, Sharif University of Technology*
6. Global Featureless Estimation of Radial Distortions, *Tamir Nave, Joseph Francos, Ben Gurion University*
7. Impulse response measurement with sine sweeps and amplitude modulation schemes, *Qingqing Meng, D. Sen, Shuai Wang, Liam Hayes, University of New South Wales*
8. Investigation and Comparison of Robust Stereo Image Matching using Mutual Information and Hierarchical Prior Probabilities, *Clinton Fookes, Sridha Sridharan, Queensland University of Technology*
9. Local-DCT features for Facial Recognition, *Belinda Schwerin, Signal Processing Laboratory, Griffith University; Kuldip Paliwal, Signal Processing Laboratory, Griffith University*
10. Most Probable Mode-Based Fast 4 × 4 Intra-Prediction in H.264/AVC, *Byeongdu La, Jinwoo Jeong, Yoonsik Choe, Yonsei University*
11. Investigating a two stage facial expression rating and classification technique, *Girija Chetty, University of Canberra*
12. Comparative evaluation of two multisensory video surveillance techniques for pedestrian tracking, *Girija Chetty, University of Canberra*

Poster Session 5 – Signal Processing 3

1. Naïve Bayes Classification of Adaptive Broadband Wireless Modulation Schemes with Higher Order Cumulants, *M. L. Dennis Wong, Swinburne University of Technolog, A. Nandi, Liverpool, S. K. Ting, Swinburne University of Technology (Sarawak Campus)*
2. Multi-Modal Deformable Medical Image Registration, *Clinton Fookes, Sridha Sridharan, Queensland University of Technology*
3. Object Tracking using Multiple Motion Modalities, *Simon Denman, Clinton Fookes, Sridha Sridharan, Vinod Chandran, Queensland University of Technology*
4. Adjusted Training Process of HMM models for Slovak Speech Recognition System, *Juraj Kacur, Slovak University of Technology, Bratislava*
5. Scene Invariant Crowd Counting for Real-Time Surveillance, *David Ryan, Simon Denman, Clinton Fookes, Sridha Sridharan, Queensland University of Technology*
6. Using Noise Reduction in Mode Selection and Pitch Search, *Lasse Laaksonen, Anssi Rämö, Nokia Research Center*
7. A Modeling Component for SSF based Network Simulation Package, *Sunghyun Yoon, ETRI; Sang-Ha Kim, Chungnam National University*
8. Effect of background noise on the SNR estimation of biometric parameters in forensic speaker recognition, *Francesco Beritelli, University of Catania*
9. Experimental Investigation of Signal-to-Noise Ratio Gain and Stochastic Resonance for Filtered Signals in Static Nonlinearities, *Aleksandar Davidovic, Elanor H. Huntington, Michael R. Frater, University College, University of New South Wales*
10. Iterative Clustering Approach for Text Independent Speaker Identification using Multiple Features, *Revathi, National Institute of Technology; Y.Venkataramani*

Poster Session 6 – Communication Systems 3

1. Methods of Detection and Analysis of UMTS Signals, *Jerzy Lopatka, Pawel Skokowski, Military University of Technology*
2. Monopulse Antennas For Radar Seekers, *Jerzy Lopatka, Military University of Technology*
3. Mobile Node Tracking in an Ad Hoc Network Using Double Time Difference of Data Arrival and Kalman Filtering, *HuiYao Zhang, University of Queensland; Marek E Bialkowski, The University of Queensland*
4. Multi- rate QoS enabled NDMR for Mobile Ad Hoc Networks, *Luo Liu, Laurie Cuthbert, Queen Mary, University of London*

5. Performance of Coded Multi-hop Networks in OFDM Wireless Environments, *Mohammad M. Abdellatif, KFUPM; Salam A. Zummo, King Fahd University of Petroleum and Metal*
6. Power Aware Wireless Receiver Design Utilizing Carrier Sensing Based on Cross-Correlation, *Il-Gu Lee, Electronics and Telecommunications Research Institute*
7. Relay Selection Utilizing Power Control for Decode-and-Forward Wireless Relay Networks, *Yong Zhang, Institute of Communication Engineering; Youyun Xu, Institute of Communications Engineering of PLAUST; Yueming Cai, Institute of Communications Engineering, PLAUST*
8. Securing Wireless Mesh Networks with Ticket-Based Authentication, *Shams Qazi, Yi Mu, Willy Susilo, University of Wollongong*
9. Wireless Interactive System for Patient Healthcare Monitoring using Mobile Computing Devices, *Montserrat Ros, University of Wollongong; Matthew D'Souza, Adam Postula, The University of Queensland*
10. On the Spatial Localization of a Wireless Transmitter from a Multisensor Receiver, *Glenn N. Dickins, Rodney A. Kennedy, The Australian National University*