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- P1.8. A Multimodal Iris Recognition Using Gabor Transform and Contourlet, *HyunJoo Koh, Wook Jae Lee, Myung Geun Chun, Chungbuk National University*
- P1.9. Advanced directionally weighted demosaicing for digital camera, *Jung Tae-young, Siyoung Yang, Joohyun Lee, Jechang Jeong, Hanyang University*
- P1.10. Affine Registration Using Graph Representations of Images, *Tamir Nave, Joseph Francos, Ben Gurion University*
- P1.11. 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

- P2.1. A Comparison 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*
- P2.2. A Low-Complexity High-Performance Decoding Algorithm for Fixed-Point LDPC Decoder, *Jui-Hui Hung, Sau-Gee Chen, National Chiao Tung University*
- P2.3. Application of SVD to Sense Wireless Microphone Signals in a Wideband Cognitive Radio Network, *Shaoyi Xu, Nokia Research Center*
- P2.4. 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*
- P2.5. 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*
- P2.6. Modeling and validation of the parameters of a Quad Cable, *Wim Foubert, Carine Neus, Leo Van Biesen, Yves Rolain, Vrije Universiteit Brussel*
- P2.7. MUSIC-LS Modal Channel Estimation for an OFDM-OQAM System, *Giovanni Garbo, Stefano Mangione, Vincenzo Maniscalco, Università di Palermo*
- P2.8. 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*
- P2.9. On MIMO K-Best Sphere Detector Architecture Complexity Reductions, *Johan Löfgren, Peter Nilsson, Lund University*
- P2.10. 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

- P3.1. 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*
- P3.2. A Serial MAC Architecture for FPGA Implementation of a Complex Adaptive Beamformer, *Tariq Salim, Univeristy of Adelaide*

- P3.3. 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*
- P3.4. From Ethernet to Synchronous Ethernet, *Dinh Thai Bui, Alcatel-Lucent; Michel Le Pallec, Alcatel-Lucent*
- P3.5. 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*
- P3.6. An Intelligent Scheme of Secure Routing for Mobile Ad Hoc Networks, *Zhongwei Zhang, University of Southern Queensland*
- P3.7. Analysis of Vertical Session Handoff for Self-Similar Traffic in a Heterogeneous Mobile Data Network, *Kumudu Munasinghe, Abbas Jamalipour, University of Sydney*
- P3.8. Application of directional antenna to wireless multihop network enabled by IPT forwarding, *Kei Mitsunaga, Hiroshi Furukawa, Yukinori Higa, Kyushu University*
- P3.9. Connectivity of Ad Hoc Networks: Is Fading Good or Bad?, *Xiangyun Zhou, Salman Durrani, The Australian National University; Haley Jones, Australian National University*
- P3.10. Mobile Ad-hoc Network Key Management with Certificateless Cryptography, *Zhenfei Zhang, Willy Susilo, Raad Raad, University of Wollongong*

Poster Session 4 – Signal Processing 2

- P4.1. Adaptive Sampling Strategy for Accurate and Scalable Anomaly Detection in NGMN, *Fazirulhisyam Hashim, Abbas Jamalipour, University of Sydney*
- P4.2. Fluency Enhancement of Machine Translation, *Amal Punchihewa, Steve L. Manion, Massey University*
- P4.3. Audio Data Retrieval and Recognition Using Model Selection Criterion, *Konstantin Biatov, Fraunhofer IAIS*
- P4.4. Estimation of Data Hiding Capacity of Digital Video based on Human Visual Model in Temporal Domain, *Hanieh Khalilian, Shahrokh Ghaemmaghami, Sharif University of Technology*
- P4.5. Global Featureless Estimation of Radial Distortions, *Tamir Nave, Joseph Francos, Ben Gurion University*
- P4.6. Impulse response measurement with sine sweeps and amplitude modulation schemes, *Qingqing Meng, D. Sen, Shuai Wang, Liam Hayes, University of New South Wales*
- P4.7. Investigation and Comparison of Robust Stereo Image Matching using Mutual Information and Hierarchical Prior Probabilities, *Clinton Fookes, Sridha Sridharan, Queensland University of Technology*
- P4.8. Local-DCT features for Facial Recognition, *Belinda Schwerin, Signal Processing Laboratory, Griffith University; Kuldip Paliwal, Signal Processing Laboratory, Griffith University*
- P4.9. Most Probable Mode-Based Fast 4×4 Intra-Prediction in H.264/AVC, *Byeongdu La, Jinwoo Jeong, Yoonsik Choe, Yonsei University*
- P4.10. Investigating a two stage facial expression rating and classification technique, *Girija Chetty, University of Canberra*
- P4.11. Comparative evaluation of two multisensory video surveillance techniques for pedestrian tracking, *Girija Chetty, University of Canberra*

Poster Session 5 – Signal Processing 3

- P5.1. Naïve Bayes Classification of Adaptive Broadband Wireless Modulation Schemes with Higher Order Cumulants, *M. L. Dennis Wong, Swinburne University of Technology, A. Nandi, Liverpool, S. K. Ting, Swinburne University of Technology (Sarawak Campus)*
- P5.2. Multi-Modal Deformable Medical Image Registration, *Clinton Fookes, Sridha Sridharan, Queensland University of Technology*

- P5.3. Object Tracking using Multiple Motion Modalities, *Simon Denman, Clinton Fookes, Sridha Sridharan, Vinod Chandran, Queensland University of Technology*
- P5.4. Adjusted Training Process of HMM models for Slovak Speech Recognition System, *Juraj Kacur, Slovak University of Technology, Bratislava*
- P5.5. Scene Invariant Crowd Counting for Real-Time Surveillance, *David Ryan, Simon Denman, Clinton Fookes, Sridha Sridharan, Queensland University of Technology*
- P5.6. Using Noise Reduction in Mode Selection and Pitch Search, *Lasse Laaksonen, Anssi Rämö, Nokia Research Center*
- P5.7. A Modeling Component for SSF based Network Simulation Package, *Sunghyun Yoon, ETRI; Sang-Ha Kim, Chungnam National University*
- P5.8. Effect of background noise on the SNR estimation of biometric parameters in forensic speaker recognition, *Francesco Beritelli, University of Catania*
- P5.9. 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*
- P5.10. Iterative Clustering Approach for Text Independent Speaker Identification using Multiple Features, *Revathi, National Institute of Technology; Y.Venkataramani*

Poster Session 6 – Communication Systems 3

- P6.1. Methods of Detection and Analysis of UMTS Signals, *Jerzy Lopatka, Pawel Skokowski, Military University of Technology*
- P6.2. Monopulse Antennas For Radar Seekers, *Jerzy Lopatka, Military University of Technology*
- P6.3. 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*
- P6.4. Performance of Coded Multi-hop Networks in OFDM Wireless Environments, *Mohammad M. Abdellatif, KFUPM; Salam A. Zummo, King Fahd University of Petroleum and Metal*
- P6.5. Power Aware Wireless Receiver Design Utilizing Carrier Sensing Based on Cross-Correlation, *Il-Gu Lee, Electronics and Telecommunications Research Institute*
- P6.6. 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*
- P6.7. Securing Wireless Mesh Networks with Ticket-Based Authentication, *Shams Qazi, Yi Mu, Willy Susilo, University of Wollongong*
- P6.8. 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*
- P6.9. On the Spatial Localization of a Wireless Transmitter from a Multisensor Receiver, *Glenn N. Dickins, Rodney A. Kennedy, The Australian National University*