



Section Student Paper Contest 2007

December, 8 (Sat), 2007
Yonsei University Engineering Building 2 B039



Conference Site Map: Sinchon Campus, Yonsei University

Technical Program Committee

Jong Chang Yi (Hongik University)
Younghan Kim (Soongsil University)
Do Yeol Ahn (University of Seoul)
Yo Ann Shin (Soongsil University)
Sang Won Min (Gwang Woon University)

Program

Oral Session I (14:00-16:00)

Systems & Networks

1. Blockwise Uniform Channel Decomposition for Coded MIMO Spatial Multiplexing Systems
Kyoung-Jae Lee, et al, Korea University
2. Transmission Rate Selection with Collision Awareness in Multi-Rate WLANs
Seongkwan Kim, et al, Seoul National University
3. Robust Frequency-Domain Channel Estimation for Single-Carrier Space-Time Block Coded System
Won-Suk Choi, et al, Yonsei University
4. Cooperative Coding using Cyclic Delay for Multiuser OFDM Systems
Dongwoo Lee, et al, Seoul National University
5. Service Charge and Energy-Aware Vertical Handoff in Integrated IEEE 802.16e/802.11 Networks
Youngkyu Choi, et al, Seoul National University
6. Optimal Precoding for Orthogonalized Spatial Multiplexing in Closed-Loop MIMO Systems
Young Tae Kim, et al, Korea University
7. LDPC-Coded Single Symbol Decodable Quasi-Orthogonal Space-Time Block Codes
Ki-Ho Lee, et al, Incheon University
8. Modular Bayesian Network Modeling
Keum-Sung Hwang, et al, Yonsei University

Oral Session II (14:00-16:00)

Devices & Circuits

1. Micromachined Particle Classification Chips for Wide Range Airborne Particles
Yong-Ho Kim, et al, Yonsei University
2. A Study on Single Pole Double Throw RF MEMS Switch with Comb Drive
Sungchan Kang, et al, Seoul National University
3. Miniband Structure of Quantum Dots base on GaN/AlN Nanowire Arrays
Oui Chan Jung, et al, Hongik University
4. Folded Flash Memory Array Fabrication and Its Read Operation for Reliability
Seongjae Cho, et al, Seoul National University
5. Thermal memory effect modeling and compensation in doherthy amplifier for pre-distortion
Suk Hui Lee, et al, Dankook University
6. A Low Power Low Noise Amplifier with Moderate Inversion Channel Noise Interpolation
Ickhyun Song, et al, Seoul National University
7. A Frequency Offset Tolerant CMOS DLL-Based CDR for Digital Display Interfaces
Gil-Su Kim, et al, Korea University
8. A 1.5 GHz Spread Spectrum Clock Generator with 5000ppm Piecewise Linear Modulation
Minyoung Song, et al, Korea University

Poster Session I (16:00-17:00)

1. Distributed Throughput-Maximization Using the Up-and Downlink Duality in Wireless Networks
Jung Min Park, et al, Yonsei University
2. A hybrid approach for incremental gene selection
Jin-Hyuk Hong, et al, Seoul Yonsei University
3. Balancing Uplink and Downlink under Traffic Asymmetry Using Distributed Receive Antennas
Illsoo Sohn, et al, Seoul National University (SNU)
4. Low Complexity Iterative ICI Cancellation and Equalization for OFDM Systems over Doubly Selective Channels
Jeong-Hoon Lee, et al, Yonsei University
5. Only One Preamble MAC Protocol for Duty-Cycled Wireless Sensor Networks
Sungmin, Jung, et al, Hanyang univ
6. Novel Channel Access Method for Mobile RFID Readers using Beacon Channel CCA Scheme
Yunho Kim, et al, Kookmin university
7. PSBS: A Power Saving Backoff Scheme for Sensor Networks
S.Mehta, et al, Inha University
8. H-MAC: A Hybrid MAC Protocol for Wireless Sensor Networks
S.Mehta, et al, Inha University
9. New optimized Euclid's algorithm and its arhitecture
Jaehyun Baek, et al, Ajou University
10. Power Amplifier Characteristic-Aware Energy-Efficient Transmission Strategy
Kwanghun Han, et al, Seoul National University
11. Influence of White Matter Anisotropic Conductivity on EEG Forward Solutions via 3-D MRI Content-Adaptive Finite Element Models of the Whole Head
Won Hee Lee, et al, Kyunghee University
12. Downlink non-regenerative MIMO-relay system based on partial channel state information
Hui Won Je, et al, Seoul National University
13. A biochemical sensor based on a microcalorimeter with a split-flow microchannel for a multi-detection of micro-organisms and gases
S. I. Yoon, et al, Yonsei University
14. Quantization Parameter Decision Algorithm to Control Video Quality in Scalable Video Codec
Chan-Won Seo, et al, Sejong University
15. Electromagnetically Gradient Surface with Reflected Beam Steering
Kihun Chang, et al, Yonsei University
16. High Speed Intra Prediction Scheme for H.264/AVC
Wonjae Lee, et al, Yonsei University/Seoul
17. Self-consistent analysis of the strained AlGaInN laser diodes for the external feedback effects on relative intensity noise characteristics

Hyung Uk Cho, et al, Hongik University

18. A New Correlation Function for BOC Signal Synchronization in GNSS
Sanghun Kim, et al, Sungkyunkwan University
19. ART: A Dynamic Medium Access Protocol for Closed Light-Trail Network
Nguyenca Tran, et al, Korea Univ.
20. Islanding detection for the MG considering complex power
Sun-Hee Cha, et al, Chonbuk University
21. Compensation for an iron-core measurement current transformer
Taiying Zheng, et al, Chonbuk University
22. Effects of Current Density on Microstructure and Hardness of Nanostructured Ni Films Prepared by Electrodeposition
Moon Kyu Cho, et al, Korea University
23. A Wide-Range All-Digital Multiphase DLL with Supply Noise Tolerance
Hyunsoo Chae, et al, Korea University
24. A Variable Structure Approach to control the Active and Reactive Power for Doubly Fed Induction Generator in Wind Turbines
Won-Sang Kim, et al, Ajou Univ
25. Stereo Matching using FBP: A Memory Efficient Parallel Architecture
Park Sung Chan, et al, POSTECH
26. A New Decomposition Technique for the Polarimetric SAR Data Based on the Degree of Polarization and the Co-polarized Phase-Difference Statistics
Geba chang, et al, Hongik University
27. CL-ARQ: Efficient ARQ for Two-Layer Retransmission Schemes
Dongmyoung Kim, et al, Seoul National University
28. 28nm MOSFET Design for Low Standby Power Applications
Towoo Lim, et al, Hongik University
29. A Virtual Sensor Overlay Network Enabling Efficient Data Acquisition Service
Yong-Pyo Kim, et al, Hanyang univ
30. Approximate Maximum Likelihood Estimate of the Number of Tags for ALOHA-based Collision Arbitration Scheme in RFID Networks
Jin Kyoung Park, et al, Dankook University
31. RFID Tag Protection using Face Feature
Sung Hyun Park, et al, Dankook University

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