Poster Sessions

Thursday, Apr. 26
14:20–15:20

Session 1P  Network/Applications  좌장: 황승훈(동국대)

[1P-1] PES 서비스를 위한 상대위치 인식 장치 – JongTaek Oh (Hansung University, KR), and Hyek Kim (Hansung University, KR)


[1P-3] The Implementation of Smart Home Energy Management System based on Open Standard OSGi – Kuk–Hyun Kim (Korea Electronics Technology Institute, KR), Suk–Ho Song (Korea Electronics Technology Institute, KR), Bong–Jin Kim (Korea Electronics Technology Institute, KR), and Jung–Mee Yun (Korea Electronics Technology Institute, KR)

[1P-4] Interactive Contents Delivery Mechanism in N–Screen Services Platform – Sung Ho Seo (Interactive TV Media Group, KR), and Jaekyeong Kim (Korea Polytechnic University, KR)

[1P-5] Ad System and Tactics Utilizing Data Delivery Mechanism in Digital Broadcasting – Sung Ho Seo (Interactive TV Media Group, KR), and Jaekyeong Kim (Korea Polytechnic University, KR)

[1P-6] Kakao–Talk Traffic Identification based on Application Signature – Yongho Lee (University of Sangmyung, KR), and Jinoo Joung (University of Sangmyung, KR)

[1P-7] Design of the Training/Measuring System for Human Concentration exploiting Digital Contents –Yeon–Ho Kim (Sejong University, KR), Dong–Il Shin (Sejong University, KR), and Dong–Kyoo Shin (Sejong University, KR)

[1P-8] Design and Implementation of the Human Concentration Analysis System Using Prefrontal Lobe EEG Signals – Yeon–Ho Kim (Sejong University, KR), Dong–Il Shin (Sejong University, KR), and Dong–Kyoo Shin (Sejong University, KR)


[1P-10] History based Web Contents Feed Retrieval Algorithm – Seokhyun Song (KAIST, KR), Hyeontaek Oh (KAIST, KR), and Junkyun Choi (KAIST, KR)


[1P-12] Wireless Mesh Technology for Port Logistics Environment – Jong–Deok Kim (Pusan National University, KR), Jeong–Hun Jang (Pusan National University, KR), and Jong–Min Gong (Pusan National University, KR)

[1P-13] Efficient Inverse Modulo 2b Scheme for Specific Numbers in Public Key Cryptography – Anish Amatya (Chosun University, KR), Young–Sik Kim (Chosun University, KR), and
Seung-Jo Han (Chosun University, KR)

[1P-14] 스마트 폰을 활용한 실시간 콘텐츠 정보 접근 방법에 관한 연구 - QR code 중심으로 – Seung-Yong Baek (Korea University, KR), Yi-Kang Kim (Korea University, KR), Suk-ho Yoon (Korea University, KR), Seung-wan Ryu (Korea University, KR), and Choong-Ho Cho (Korea University, KR)

[1P-15] An analysis of the effects of the frequency overlapped allocation scheme in an MMR network – Juho Lee (Kangwon National University, KR), Goo Yeon Lee (Kangwon National University, KR), and Choongkyo Jeong (Kangwon National University, KR)

[1P-16]캐싱 지원 스위치를 이용한 세그먼트 기반 모바일 P2P VoD 의 성능 향상 – Hyun Lee (GIST, KR), Jae-Yong Yoo (GIST, KR), and JongWon Kim (GIST, KR)

[1P-17] Collaborative Filtering Based Personalized Travel Route Recommendation – Chanju Jeon (Kangwon National University, KR), Gooyeon Lee (Kangwon National University, KR), and Choongkyo Jeong (Kangwon National University, KR)

[1P-18] Design of User-friendly Home Power Management Platform – Sang-Joon Lee (Korea University, KR), Si-O Seo (Korea University, KR), Tae-Sub Kim (Korea University, KR), and Choong-Ho Cho (Korea University, KR)


[1P-21] 군 하이브리드 네트워크에서 신뢰성 있는 멀티캐스팅을 위한 다중 경로 구축 기법 – June Ho Bang (Ajou University, KR), Young Jong Cho (Ajou University, KR), and Kyungran Kang (Ajou University, KR)

[1P-22] IPX 망을 위한 Click-based MOFl Proxy Agent 설계 및 구현 – Whoi Jin Jung (Chungnam National University, KR), Jae Yong Lee (Chungnam National University, KR), Myung Keun Lee (Chungnam National University, KR), and Byung Chul Kim (Chungnam National University, KR)

[1P-23] Revenue Analysis of Paid Transportation System according To Moving Speed – Bo Yeol Park (Kangwon National University, KR), and Goo Yeon Lee (Kangwon National University, KR)


[1P-25] Design and Implementation Of A Secure Network Considering Hybrid Operation in Multiple Control Networks – In-Sik Jang (Chungnam National University, KR), Ki-Hun Kim (Chungnam National University, KR), Jae-Yong Lee (Chungnam National University, KR), Byung-Chul Kim (Chungnam National University, KR), Myung-Shin Lee (KARI, KR), Dae-Hwan Hyun (KARI, KR), Se-Chul Park (KARI, KR), and Dae-Won Chung (KARI, KR)

[1P-26] A Design of Smart Grid Framework based on Open Structure – Changmin Park (ETRI, KR), Yoon Young An (ETRI, KR), Kyudong Kim (Korea Smart Grid Institute, KR), and Wung Park
Design of Internet Forum based P2P Network for Contents Sharing – Han Qu (Seoul National University, KR), Heesu Im (Seoul National University, KR), and Saewoong Bahk (Seoul National University, KR)

Friday, Apr. 27
9:40–10:40
Session 2P MAC 좌장: 최완 (KAIST)

[2P-1] Improved energy efficiency based cooperative communication in multi-cluster networks – Sungjin Park (KAIST, KR), and Dong-Ho Cho (KAIST, KR)


[2P-3] Relay station grouping algorithm based on user distribution in 802.16j multihop relay networks – Byung Chang Chung (KAIST, KR), and Dong-Ho Cho (KAIST, KR)

[2P-4] MIH와 비이컨프레임의 상태정보 기반 핸드오버 성능 향상 기법 – Haesu Hong (Kyung Hee University, KR), and Sungwon Lee (Kyung Hee University, KR)


[2P-6] Cell Selection Scheme in LTE-Advanced Macro-Picocells Deployments – Hong-liang Qu (Korea University, CN), Seung-Yeon Kim (Korea University, KR), Sang-Joon Lee (Korea University, KR), Seung-Wan Ryu (Chung-Ang University, KR), Hyong-Woo Lee (Korea University, KR), and Choong-Ho Cho (Korea University, KR)

[2P-7] Resource Allocation for Layered Video Transmission in M–WiMAX based IPTV – Jiun Yun (Pusan National University, KR), Dong Chan Park (Pusan National University, KR), Sung Sue Hwang (Pusan National University, KR), and Suk Chan Kim (Pusan National University, KR)

[2P-8] Performance of Adaptive Trellis According to Blur for Holographic Storage System – Gukhui Kim (Soongsil University, KR), and Jaejin Lee (Soongsil University, KR)

[2P-9] Bitmap–based Feedback Scheme in OFDMA Systems Using Scheduling Probability Prediction – Jungsu Lee (School of Electrical Engineering, Seoul National University, KR), Soomin Ko (Seoul National University, KR), and Byeong Gi Lee (Seoul National University, KR)

[2P-10] Subchannel Allocation to Mitigate Cross-tier Interference for OFDMA Macro–Femtocell Networks – Sunheui Ryoo (Seoul National University, KR), Jinwoo Ock (Seoul National University, KR), and Saewoong Bahk (Seoul National University, KR)

[2P-11] Resource Sharing based Feedback Reduction Scheme in Multicast Environment – Jaemin Park (Seoul National University, KR), Soomin Ko (Seoul National University, KR), and Byeong Gi Lee (Seoul National University, KR)

[2P-12] 단말별 QoS 및 시스템 부하 균형 보장을 위한 전송전력 제어 및 셀 선택 방식 – Hye Joong
Kang (Korea University, KR), and Chung Gu Kang (Korea University, KR)

[2P-13] A Novel Throughput Analysis for IEEE 802.11 WLAN Systems – Jun-su Choi (Seoul National University, KR), Hyoung-joo Lee (Seoul National University, KR), and Kwang-Bok Lee (Seoul National University, KR)

[2P-14] A Study on Random Linear Network Coding to Improve the Performance of the Satellite Communication – Kyu-Hwan Lee (Ajou University, KR), and Jae-Hyun Kim (Ajou University, KR)

[2P-15] Power Saving Algorithm for WLAN AP According To the Associated STAs – Hye-Rim Cheon (Ajou University, KR), and Jae-Hyun Kim (Ajou University, KR)

[2P-16] OBP 위성 네트워크에서 전송지연 시간 단축을 위한 큐 길이 기반 Delay-tolerant 분산 MAC 프로토콜 – Eunkyung Kim (Ajou University, KR), Hongjun Noh (Ajou University, KR), Jaesung Lim (Ajou University, KR), and Byung Gak Jo (Ajou University, KR)


[2P-18] Ad-Hoc 네트워크에서 신속한 네트워크 가입을 위한 동적 시분할 다중접속 기법 – Jong-Kwan Lee (Ajou University, KR), Kyu Man Lee (Ajou University, KR), and Jeasung Lim (Ajou University, KR)


[2P-20] 긴 전파 지연이 있는 전술데이터링크를 위한 Random Access 기법의 성능 분석 – Hoki Baek (Ajou University, KR), Jae Sung Lim (Ajou University, KR), Jayeul Koo (Ajou University, KR), and Ilhyuk Oh (LIG Nex1 Communication R&D Lab, KR)


[2P-22] An Efficient Broadcast Scheme in Vehicular Ad Hoc Networks – Dong-Won Kum (Agency for Defense Development, KR), Jae-In Choi (Kyungpook National University, KR), Jae-Choong Nam (Kyungpook National University, KR), Jae-Seung Bae (Kyungpook National University, KR), and You-Ze Cho (Kyungpook National University, KR)

[2P-23] Wireless Mesh Network에서 적응적 경쟁 원도우를 이용한 TCP Fairness 개선 방안 – In-Sik Jang (Chungnam National University, KR), Seok Hong Min (Chungnam National University, KR), Jae-Yong Lee (Chungnam National University, KR), and Byung-Chul Kim (Chungnam National University, KR)

13:00-14:00
Session 3P Radio Transmission 좌장: 이정우 (서울대)


[3P-2] Weibull 페이딩을 겪는 간섭 제한적인 환경에서 복호-후-전달 릴레이 시스템의 불연 확률 – Kwang-Sik Choi (Korea University, KR), and Young-Chai Ko (Korea University, KR)

[3P-3] Distributed Source Coding with Multiple Side-Information Using LDPCA Codes – Sumin Lim (Sungkyunkwan University, KR), Seungshik Shin (Sungkyunkwan University, KR), Min Jang (Sungkyunkwan University, KR), and Sang-Hyo Lim (Sungkyunkwan University, KR)

[3P-4] A 2-D Equalization Method for the Holographic Data Storage System – Sunho Kim (Soongsil University, KR), and Sungbin Im (Soongsil University, USA)

[3P-5] Anti-jamming Performance Evaluation of JTIDS Waveform Transmitted over Two-ray and Nakagami-fading Channels – Hong Jun Noh (Ajou University, KR), and Jae-Sung Lim (Ajou University, KR)

[3P-6] LTE-Advanced 시스템의 다중 사용자 MIMO 전송을 위한 다중 사용자 간섭 검출 기법 – Won Jun Hwang (Sungkyunkwan University, KR), Jun Hee Jang (Sungkyunkwan University, KR), and Hyung Jin Choi (Sungkyunkwan University, KR)

[3P-7] Error Parity Check Codes for Flash Memories with Limited-Magnitude Errors – Myeongwoon Jeon (Seoul National University, KR), Sungkyu Chung (Seoul National University, KR), and Jungwoo Lee (Seoul National University, KR)

[3P-8] A study on the improved DOA estimation algorithms for vehicular radar – Seokhyun Kang (Seoul Nat'l University, KR), Han-Byul Lee (Seoul Nat'l University, KR), Jung-Hwan Choi (Seoul Nat'l University, KR), and Seong-Cheol Kim (Seoul Nat'l University, KR)

[3P-9] Application of Two-Dimensional Equalization for Bit Patterned Media – Woosik Moon (Soongsil University, KR), and Sungbin Im (Soongsil University, USA)

[3P-10] Adaptive Codebook을 이용한 LTE-Advanced에서 하향링크 Joint Processing 협력 전송 기법 – Ki-Jun Lee (University of Incheon, KR), and Youn-Shik Byun (University of Incheon, KR)

[3P-11] LTE-Advanced CoMP시스템에서 사용자 선택 방법을 위한 최적의 코드북 빔형성 알고리즘에 관한 연구 – Yong-Seock Cho (University of Incheon, KR), and Youn-Shik Byun (University of Incheon, KR)

[3P-12] Hamming Weight Distribution of New Cyclic Code – Sung-Tai Choi (Seoul National University, KR), Ji-Youp Kim (Seoul National University, KR), Jong-Seon No (Seoul National University, KR), and Habong Chung (Hongik University, KR)

[3P-13] QAM 계열 디지털 신호의 변조 방식 식별을 위한 저복잡도 최대 우도 판정 기법 – Joon-Young Son (Sungkyunkwan University, KR), Won-Jun Hwang (Sungkyunkwan University, KR), and Hyung-Jin Choi (Sungkyunkwan University, KR)

(3(4k+2)-3(2k+1)+2)/4+3(2k+1)로 Decimation된 3진 m-수열의 상호 상관도에 관하여
   Ji-Youp Kim (Seoul National University, KR), Sung-Tai Choi (Seoul National University, KR), Taehyung Lim (Seoul National University, KR), Jong-Seon No (Seoul National University, KR), and Habong Chung (Hongik University, KR)

Performance Evaluation of Subcarrier-Index Modulation OFDM – Hyeon Deok Cho (Pusan National University, KR), Dong Chan Park (Pusan National University, KR), Sung Sue Hwang (Pusan National University, KR), and Suk Chan Kim (Pusan National University, KR)

A Study on the interference between RF device using QMSK modulation and WLAN device – Dong–Joo Kim (Hankuk University of Foreign Studies, KR), Jun–woo Choi (Hankuk University of Foreign Studies, KR), and Myoung Jin Kim (Hankuk University of Foreign Studies, KR)

Capacity of the Two–way Relay Channel Based on Pilot Channel Estimation – Mohammad Abu Hanif (Chonbuk National University, KR), and Moon Ho Lee (Chonbuk National University, KR)

New Dual–Diagonal Structure for Quasi–Cyclic Low–Density Parity–Check Codes – Hosung Park (Seoul National University, KR), Seokbeom Hong (Seoul National University, KR), Jong–Seon No (Seoul National University, KR), and Dong–Joon Shin (Hanyang University, KR)

Performance Analysis of Compressed Sensing Matrices Using Correlation Vectors – Seokbeom Hong (Seoul National University, KR), Hosung Park (Seoul National University, KR), Beomkyu Shin (Samsung Electronics. Co., Ltd, KR), Jong–Seon No (Seoul National University, KR), and Habong Chung (Hongik University, KR)

OFDMA 기반의 메쉬 네트워크를 위한 노드 탐색 및 시간 동기화 기법 – Soonjik Kwon (Chung–Ang University, KR), Hyun Jong Yu (Chung–Ang University, KR), Chang Hwan Park (Chung–Ang University, KR), and Yong Soo Cho (Chung–Ang University, KR)

Analysis on Requirements of ADC and Channel Estimation for Full–Duplex Relays – Oh–Soon Shin (Soongsil University, KR), and Hyeon Min Kim (Soongsil University, KR)

A Study on Interference Analysis for TVBD with Various Emission Mask Specification – Han nah Choi (Soongsil University, KR), and Won cheol Lee (Soongsil University, KR)

Two–slot Greedy Confidence Bound Algorithm in Restless Multi–armed Bandit Techniques for Cognitive Radio – Shuyan Dong (Seoul National University, KR), Jungwoo Lee (Seoul National University, KR)

Reference Signal Power Control for Optimal Access Point Selection – Jeong–Sik Choi (Seoul National University, KR), and Seong–Cheol Kim (Seoul National University, KR)

Topology Control Using Receive–Diversity – Kiryang Moon (Korea University, KR), and Seong–Jun Oh (Korea University, KR)

산재된 GPS 동기화 노드를 갖는 무선 센서망에서 Gibbs Sampling을 이용한 분산 동기화 – Jungshin Lee (Kumoh National Institute of Technology, KR), Hyun Ah Lee (Kumoh National Institute of Technology, KR), and Ji–Hoon Yun (Kumoh National Institute of Technology, KR)
스마트 워터 그리드내 하·폐수관리용 슬러지 및 TN/TP 센서 접목기술에 관한 연구 – Yongsik Kang (Seoul National University of Science and Technology, KR), Kwangseok Ko (Seoul National University of Science and Technology, KR), Sunghwa Lee (Cheju Halla University, KR), Inkap Park (Konkuk University, KR), Sijin Lee (Kyonggi University, KR), Jungkyu Rho (Seokyeong University, KR), Jaekwon Shin (R&D center of Fivetek Co., Ltd, KR), Seungyoun Yang (R&D center of Fivetek Co., Ltd, KR), and Jintae Kim (R&D center of Fivetek Co., Ltd, KR)

UWB 레이다 기술을 이용한 위치 추정 기법 – Ki-Yun Kim (Myongji College, KR), Min Ho Ahn (Myongji College, KR), Tae Kwon Kim (라온우리(LAONURI), KR), Gil Gyeom Kim (라온우리(LAONURI), KR), and Sang-Won Lee (라온우리(LAONURI), KR)

변조 방식 분류를 위한 EM 알고리즘 기반의 저복잡도 ML 검출 기법 – Kyung-hoon Lee (Sungkyunkwan University, KR), Junhee Jang (Sungkyunkwan University, KR), and Hyung-Jin Choi (Sungkyunkwan University, KR)