

Session #	Paper #	Title	Authors with affiliation and country
A1	1570812880	ZTA-based Federated Policy Control Paradigm for Enterprise Wireless Network Infrastructure	Boo Geum Jung (ETRI, Korea (South))
A1	1570816220	Practical Soft Demapper-Based Decoder for Sparse Code Multiple Access	Syed A Hussain and Norulhusna Ahmad (Universiti Teknologi Malaysia, Malaysia); Khoirul Anwar (Telkom University, Indonesia)
A1	1570820588	Detection and Localization of Hidden Wi-Fi Cameras	Rhys Cunningham and Wee Lum Tan (Griffith University, Australia)
A1	1570824906	A hybrid Modified Black Widow Optimization and PSO Algorithm: Application in Feature Selection for Cognitive Radio Networks	Sarra Ben Chaabane (Tunis El Manar University, Tunisia); Kaïs Bouallegue (IETR - Electronics and Telecommunications Research Institut of Rennes (IETR) & INSA - National Institute of Applied Sciences, France); Akram Belazi (ENIT, Tunisia); Sofiane Kharbech (University of Lille, France); Ammar Bouallegue (National School of Engineers of Tunis, Tunisia)
A1	1570830501	The Reliable Routing of the Air-Ground Integrated Network based on Kalman Filter Prediction	Zhimin Zhang (University of Chinese Academy of Sciences, China); Fei Qin (Chinese Academy of Sciences, China)
B1	1570816867	Slow-Light performance enhancement of delay line based on arced photonic crystal waveguide	Zaineb Gharsallah (ENIT-SYSCOM, Tunisia); Radhoene Massoudi and Monia Najjar Bounouh (Syscom, Tunisia); Bhuvneshwer Suthar (Government Dungar College, Bikaner, India)
B1	1570817740	Structural Health Monitoring of Road Infrastructures Based on FBG Sensor Network	Maha Sliti (Communication Networks and Security Research Lab., Tunisia); Nouredine Boudriga (Communication Networks and Security Research Lab., University of Carthage, Tunisia)
B1	1570819378	An Edge-Storage-Aided Scheduling Method for Edge-Computing-Enabled Optical Metro Networks	Xiao Lin, Huihuang Lin and Shuo Ji (Fuzhou University, China); Hui Qian (FuZhou University, China); Jun Li (Soochow University, China); Shengnan Yue (Shanghai Jiao Tong University, China)
B1	1570822491	Optical Signals and Prospects Towards Multimedia in Underwater Wireless and Mobile Communication	Tharuka Dulaj Jayadewa Govinda Waduge, Adnan Al-Anbuky and Kay C. Vopel (Auckland University of Technology, New Zealand)
B1	1570825362	16 Channels WDM Radio Over Fiber System With DCF and FBG compensators	Maha Sliti (Communication Networks and Security Research Lab., Tunisia)
B6	1570814962	Performance Analysis of QC-LDPC codes constructed by using Golomb Rulers	Dae-Kyeong Kim, Inseon Kim, Hyunwoo Cho, Hyojeong Choi and Hong-Yeop Song (Yonsei University, Korea (South))
B6	1570824312	ZCZ Orthogonal Finite-Length Sequences for Underground Coded Sonar	Yoshihiro Tanada (Kyoto University, Japan)
B6	1570830259	A Novel Interleaving Scheme for Concatenated Codes on Burst-Error Channel	Lu Liu, Suwen Song and Zhongfeng Wang (Nanjing University, China)
B6	1570830483	The Effect of PEG-Lifting Order on the Performance of Protograph GLDPC Codes	Dae-Young Yun and Jong-Seon No (Seoul National University, Korea (South)); Jae-Won Kim (Gyeongsang National University, Korea (South))
B7	1570822864	Human-Centric Autonomous Driving Based on a Two-Stage Machine Learning Algorithm	Abdul Latif Sarker and Dong Seog Han (Kyungpook National University, Korea (South))
B7	1570822902	Point Cloud Map Generation and Localization for Autonomous Vehicles Using 3D Lidar Scans	Alwin Poulose, Minjin Baek and Dong Seog Han (Kyungpook National University, Korea (South))
B7	1570822963	Multimodal Object Detection and Ranging Based on Camera and Lidar Sensor Fusion for Autonomous Driving	Danish Khan, Minjin Baek, Min Young Kim and Dong Seog Han (Kyungpook National University, Korea (South))
B7	1570824344	SimNet: UAV-Integrated Sensor Nodes Localization for Communication Intelligence in 6G Networks	Simeon Ajakwe (Kumoh National Institute of Technology, Gumi, Korea (South)); Vivian Ukamaka Ihekoronye, Dong Seog Kim and Jae Min Lee (Kumoh National Institute of Technology, Korea (South))

B8	1570824011	Microwave Imaging: CPW Fed Microstrip Patch Antenna with Defected Ground Plane Operating in ISM Band for Breast Tumor Detection	Golap Kanti Dey, Tasfia Nuzhat, Kumar Priam Das and Fariha Binte Rahmat Ali (Chittagong Independent University, Bangladesh)
B8	1570830471	Textile Antenna with Electromagnetic Band Gap Structure at Frequency 3.5 GHz 5G Band	Salwa Salsabila, Harfan Hian Ryanu, Levy Olivia Nur and Bambang Setia Nugroho (Telkom University, Indonesia)
B8	1570840424	Performance enhancement of circularly polarized microstrip antenna using thin slot and magnetic material	Rheyuniarto Sahlendar Asthan (Institut Teknologi Sumatera, Indonesia); Tutun Juhana and Achmad Munir (Institut Teknologi Bandung, Indonesia)
B8	1570841115	Development of Filtered Low Noise Amplifier for Improving Antenna Signal Reception	Novelita Rahayu and Achmad Munir (Institut Teknologi Bandung, Indonesia)
C1	1570830506	Deep Learning-based Transceiver Design for Pilotless Communication over Fading Channel with one-bit ADC and Oversampling	Metasebia D. Gemeda and Minsig Han (Korea University, Korea (South)); Ameha Tsegaye Abebe (Samsung Electronics, Korea (South)); Chung G. Kang (Korea University, Korea (South))
C1	1570830775	Deep Learning Approach for Improving Spectral Efficiency in mmWave Hybrid Beamforming Systems	Woo-Sung Son (Kyungpook National University, Daegu, Republic of Korea, Korea (South)); Dong Seog Han (Kyungpook National University, Korea (South))
C1	1570836352	Phase Code Discovery for Pulse Compression Radar: A Genetic Algorithm Approach	Xinyan Xie (University of Chinese Academy of Sciences, China); Runxin Zhang (UCAS, China); Yulin Shao (Imperial College, United Kingdom (Great Britain)); Lu Lu (University of Chinese Academy of Sciences, China)
C1	1570838597	Autoencoder-based Pilot Pattern Design for CDL Channels	Yuta Yamada and Tomoaki Ohtsuki (Keio University, Japan)
C1	1570841003	Delay-aware Joint Resource Allocation in Cell-Free Mobile Edge Computing	Fitsum Tilahun (Korea University, Korea (South)); Ameha Tsegaye Abebe (Samsung Electronics, Korea (South)); Chung G. Kang (Korea University, Korea (South))
C2	1570823312	Proposal and experimental results of a method for removing mixed voice using U-Net	Jian Lin, Shota Sano, Taiga Watanabe, Yuusuke Kawakita, Tsuyoshi Miyazaki and Hiroshi Tanaka (Kanagawa Institute of Technology, Japan)
C2	1570823884	Research on IRS-assisted communication optimization method based on federated learning	Chenguang He, Jing Li, Shengxian Huang and Yuchuan Ma (Harbin Institute of Technology, China)
C2	1570824936	A Review and Strategic Approach for the Transition towards Third-Wave Trustworthy and Explainable AI in Connected, Cooperative and Automated Mobility (CCAM)	Alper Kanak (Ergtech Research Center, Switzerland); Salih Ergun (TUBITAK - Informatics and Information Security Research Center, Turkey & ERGTECH Research Center, Switzerland); Ali Atalay (BITNET, Turkey); Stefano Persi (Mosaic Factor, Spain); Ahu Hartavi Karıcı (University of Surrey, United Kingdom (Great Britain))
C2	1570829975	Double-Machine-Learning-Based Resource Scheduling Method for Offloading Transfers	Xiao Lin, Songlei Lin and Yaping Li (Fuzhou University, China); Junyi Shao and Keqin Shi (Shanghai Jiao Tong University, China); Yajie Li (Beijing University of Posts and Telecommunications, China)
C3	1570812105	Cramer-Rao Lower Bound of Vehicular Position & Orientation using a Lens-based MIMO in the Cooperative Vehicle-to-Vehicle (V2V) Systems	Joohyun Jo and Dong Ku Kim (Yonsei University, Korea (South))
C3	1570816191	A Design of InP-HBT 100-GHz Diode Linearizer Toward 6G	Sumire Aoki, Hiroshi Hamada, Hiroto Yamamoto and Atsushi Fukuda (NTT DOCOMO, INC., Japan); Teruo Jyo (NTT Corporation, Japan); Hiroyuki Takahashi (NTT, Japan); Hiroshi Okazaki (NTT DOCOMO, Japan); Yasunori Suzuki (NTT DOCOMO, INC., Japan)
C3	1570818038	Design of a Compact HMSIW Cavity-Backed Dual-Band 4-Port MIMO Antenna	Divya Chaturvedi (SRM University -AP, India); Arvind Kumar (Visvesvaraya National Institute of Technology Nagpur, India); Pramodini Buela (SRM University AP, Amaravati, India); Goutam Rana (Bengal Engineering and Science University, India)

C3	1570824865	Incorporation of Oval-Slot and Arc-Slits Upon Planar Oval Monopole Antenna for Radiation Characteristics Improvement	Agus D. Prasetyo (Telkom University, Indonesia); Deny Hamdani (Institut Teknologi Bandung, Indonesia); Budi Syihabuddin (Telkom University, Indonesia); Achmad Munir (Institut Teknologi Bandung, Indonesia)
C3	1570824970	Compact Capacitively-Loaded Transmission Line with Enhanced Phase Shift Range	Zulfi Zulfi, Joko Suryana and Achmad Munir (Institut Teknologi Bandung, Indonesia)
C4	1570814090	Generalised Channel State Information Outdatedness Modelling Using MRC	Khoa N Le (Western Sydney University, Australia); Vo Nguyen Quoc Bao (Posts and Telecommunications Institute of Technology, Vietnam)
C4	1570814607	MIMO measurements at high UE velocity with variable eNB antenna column separation	Ola Bidhan (Leipzig University of Applied Sciences, Germany); Juergen Beyer (Deutsche Telekom, Germany); Michael Einhaus (Leipzig University of Applied Sciences, Germany); Kevin Kaiser (Deutsche Telekom, Germany)
C4	1570817220	Wideband Single Carrier Transmitter Configuration Equalizing Non-flat Frequency Response	Hiroto Yamamoto, Atsushi Fukuda, Sumire Aoki and Hiroshi Hamada (NTT DOCOMO, INC., Japan); Hiroshi Okazaki (NTT DOCOMO, Japan); Yasunori Suzuki (NTT DOCOMO, INC., Japan)
C4	1570817978	User-driven Suboptimal Joint Transmit-Receive Diversity in Asymmetric MIMO Fading Channel	Fumiyuki Adachi and Ryo Takahashi (Tohoku University, Japan)
C4	1570826685	Probability of Bit Error of MRC Detection in OFDM-MMIMO Systems Utilizing Gaussian Mixture Model	Ditsapon Chumchewkul (Newcastle University, United Kingdom (Great Britain) & School of Engineering, United Kingdom (Great Britain)); Charalampos C. Tsimenidis (Newcastle University, United Kingdom (Great Britain))
C5	1570816395	A Study on Cluster-Centric Cell-Free Massive MIMO System	Sijie Xia and Chang Ge (Tohoku University, Japan); Ryo Takahashi (Tohoku University Research Organization of Electrical Communication, Japan); Qiang Chen and Fumiyuki Adachi (Tohoku University, Japan)
C5	1570816417	Outage Performance Analysis of Hybrid Relay-Reconfigurable Intelligent Surface Networks	Waqas Khalid (Korea University & Sejong, South Korea, Korea (South)); Heejung Yu (Korea University, Korea (South)); Md. Shahjalal (Kookmin University, Korea (South))
C5	1570821950	Performance Analysis of Cloud-based Deep Learning Models on Images Recovered without Channel Correction in OFDM System	Ijaz Ahmad, Nazmul Islam and Seokjoo Shin (Chosun University, Korea (South))
C5	1570829494	Centralized Scheduling for Frequency Domain Orthogonal Multiple Access Multiple Relay Network	Ali Al Khansa (Orange labs, France & University of Avignon, France); Raphael Visoz (Orange Labs, France); Yezekael Hayel (LIA, University of Avignon, France); Samson E Lasaulce (CRAN (CNRS - University of Lorraine), France); Rasha Al Khansa (American University of Beirut, Lebanon)
C5	1570830406	On Design Concept of Cellular Distributed MU-MIMO for Ultra-dense RAN	Fumiyuki Adachi (Tohoku University, Japan); Ryo Takahashi (Tohoku University Research Organization of Electrical Communication, Japan); Hidenori Matsuo, Sijie Xia, Chang Ge and Qiang Chen (Tohoku University, Japan)
C6	1570824443	Hash-based Fast Beam Alignment for 6G Sub-Terahertz MIMO	Xin Wang and Xiaolin Hou (DOCOMO Beijing Communications Laboratories Co., Ltd, China); Lan Chen (DOCOMO Beijing Communications Laboratories Co., Ltd., China); Satoshi Suyama (NTT DOCOMO, INC., Japan); Takahiro Asai (NTT DOCOMO, Inc., Japan)
C6	1570830184	Covariance-Based Time-Frequency ESPRIT Algorithm for Direction-of-Arrival Estimation	Seungyun Kim, Jiao Wu, Anho Lee, Yiyang Liu, Jungjae Park and Byonghyo Shim (Seoul National University, Korea (South))
C6	1570830927	Beam-Tracking Technique for mmWave Cellular Systems with Intelligent Reflective Surface	Yeong Jun Kim (LG Electronics, Korea (South)); Hosin Lee and Yong Soo Cho (Chung-Ang University, Korea (South))
C6	1570840243	Energy-Efficient Optimization for WPCN System Based on User Cooperation	Ahmed Mohamed Ahmed, Zhengqiang Wang, Hailay Teklehaimanot Belay and Xiaoyu Wan (Chongqing University of Posts and Telecommunications, China)

C7	1570815770	Accuracy of Natural Language Processing Algorithms in Representing Stressed Words in Closed Captioning	Prawit Boonmee (Burapha University, Thailand); Prajaks Jitngernmadan (Burapha University & Faculty of Informatics, Thailand); Kanuengnij Kubola (Burapha University, Thailand); Pradya Prempraneerach (Faculty of Engineering, Thammasat University Rangsit Campus, Thailand)
C7	1570820164	Smooth-RRT*: An Improved Motion Planner for Underwater Robot	Shuaifu Li (Wuhan University of Technology, China); Kehao Wang (WHUT, China); Yang Wang (Huazhong University of Sci&Tech, China)
C7	1570820397	Applying A Spatial Information Approach and Community-based Sourcing for Smart Container Allocation in the Post-Pandemic Era	Wantana Sisomboon (Burapha University, Thailand); Thatsanee Charoenporn (Musashino University, Japan); Athita Onuean (Burapha University, Thailand)
C7	1570822896	Improved Sensing Performance with Autoencoder and Ensemble Classifier	Noor Gul (University of Peshawar & Tech University of Korea, Pakistan); Saeed Ahmed (Mirpur University of Science and Technology, Pakistan); Su Min Kim and Junsu Kim (Tech University of Korea, Korea (South))
C7	1570824992	Calibrating Dead Reckoning with Deep Reinforcement Learning	Sangmin Lee (University of Korea, Korea (South)); Hwangnam Kim (Korea University, Korea (South))
C8	1570815210	A Brief Survey and Implementation on AI for Intent-Driven Network	Jiaorui Huang, Chungang Yang, Shiwen Kou and Yanbo Song (Xidian University, China)
C8	1570816015	A DQN-based CUBIC for TCP Congestion Control	Sang-Jin Seo, Geon-Hwan Kim and You-Ze Cho (Kyungpook National University, Korea (South))
C8	1570818888	DBM: Delay-sensitive Buffering Mechanism for DNN Offloading Services	Guoliang Gao (Huanke Road No. 199 & ShanghaiTech University, China); Liantao Wu (ShanghaiTech University, China); Yang Yang (Terminus Group and Peng Cheng Laboratory, China); Kai Li (School of Information Science and Technology, ShanghaiTech University, China)
C8	1570822508	Vehicular Intelligence: Towards Vehicular Network Digital-Twin	Duaa Zuhair Al-hamid and Adnan Al-Anbuky (Auckland University of Technology, New Zealand)
C8	1570837316	Analysing Attackers and Intrusions on a High-Interaction Honeypot System	Mandy Knöchel (Martin Luther University Halle-Wittenberg, Germany); Sandro Wefel (Martin Luther University Halle, Germany)
D1	1570808851	Efficient UAV/Satellite-assisted IoT Task Offloading: A Multi-agent Reinforcement Learning Solution	Kangjia Yu, Qimei Cui and Ziyuan Zhang (Beijing University of Posts and Telecommunications, China); Xueqing Huang (New York Institute of Technology, USA); Xuefei Zhang and Xiaofeng Tao (Beijing University of Posts and Telecommunications, China)
D1	1570820804	Radar Communication System Recalibration using DNN-based Unscented Kalman Filter Modeling	Williams-Paul Nwadiugwu (Kumoh National Institute of Technology & ICT Convergence Research Center, School of Electronic Engineering, Korea (South)); Dong Seong Kim (Kumoh National Institute of Technology, Korea (South))
D1	1570823777	Constant Envelope Multiplexing Scheme for Three Equal Power Signals	Hyungsoo Lim (Electronics and Telecommunications Research Institute (ETRI), Korea (South)); Sanguk Lee (ETRI, Korea (South))
D1	1570824886	Staring Beamforming Method for LEO Satellite Based on Angle Increment Prediction	Shuxun Li and Weixiao Meng (Harbin Institute of Technology, China)
D2	1570812614	Improvement of the Algorithm to Evaluate Security Strength of Share Assignment on Communication Network in SSS	Masaki Tanise and Masahiro Hayashi (Tokyo City University, Japan)
D2	1570816088	Training and Validating of Advanced Flow-Based Network Traffic Classifiers under Real-World Conditions	Sebastian Karius and Mandy Knöchel (Martin Luther University Halle-Wittenberg, Germany); Sandro Wefel (Martin Luther University Halle, Germany)
D2	1570841053	Secrecy Performance Analysis of Alamouti-STBC With Decision Feedback Detection in Time-Selective Fading Channels	Dongjin Kim (Tech University of Korea, Korea (South)); Yujae Song (Kumoh National Institute of Technology, Korea (South)); Seong Ho Chae (Tech University of Korea, Korea (South))
D4	1570821988	Deep Reinforcement Learning-based Task Offloading and Resource Allocation in MEC-enabled Wireless Networks	Seble Birhanu Engidayehu, Tahira Mahboob and Min Young Chung (Sungkyunkwan University, Korea (South))

D4	1570822506	Collaborative base station sleeping solution design in heterogeneous cellular network	Lijin Li and Weixiao Meng (Harbin Institute of Technology, China)
D4	1570836661	Throughput Loss Over Standalone 5G Networks	Décio M. Mate (SIDIA Institute of Science and Technology, Brazil)
D4	1570839676	On the Performance of Deep Learning-based Data-aided Active User Detection for GF-SCMA System	Minsig Han (Korea University, Korea (South)); Ameha Tsegaye Abebe (Samsung Electronics, Korea (South)); Chung G. Kang (Korea University, Korea (South))
D4	1570843021	An LSTM-based Mobility Prediction Mechanism in the ICN-based Vehicular Networks	Kamrul Hasan and Seong-Ho Jeong (Hankuk University of Foreign Studies, Korea (South))
D5	1570805398	KID: Knowledge Graph-Enabled Intent-Driven Network with Digital Twin	Xiaotian Chang and Chungang Yang (Xidian University, China); Hao Wang (54th Research Institute of China Electronics Technology Group Corporation, China); Ying Ouyang, Ru Dong, Junjie Guo, Zeyang Ji and Xianglin Liu (Xidian University, China)
D5	1570814914	P4-sKnock: A Two Level Host Authentication and Access Control Mechanism in P4 based SDN	Aneesh Bhattacharya and Risav Rana (IIIT Naya Raipur, India); Suvrima Datta (International Institute of Information Technology, Naya Raipur, India); Venkanna U. (IIIT Naya Raipur, India)
D5	1570822371	UAV as a Data Ferry for a Sparse Adaptive WSN	Pejman Karegar and Adnan Al-Anbuky (Auckland University of Technology, New Zealand)
D5	1570823912	The Role of 5G Wireless Communication System in the Metaverse	Judith Nkechinyere Njoku, Cosmas Ifeanyi Nwakanma and Dong Seong Kim (Kumoh National Institute of Technology, Korea (South))
D5	1570840250	Network Slice Admission Control and Resource Allocation in LEO Satellite Networks: A Robust Optimization Approach	Yaofu Bai (Chongqing University of Posts and Telecommunications, China); Chengchao Liang (Chongqing University of Posts and Telecommunications, China & Carleton University, Canada); Qianbin Chen (Chongqing University of Posts and Telecommunications, China)
D7	1570812210	Antenna Multiplexer for IoMT Wireless Connectivity	Divya Chaturvedi (SRM University -AP, India); Dharmendra Rajput (VIT, India); Sivanantham S (VIT University, India); Arvind Kumar (Visvesvaraya National Institute of Technology Nagpur, India)
D7	1570824025	User Activity Detection for mmWave Grant-free IoT Networks	Shanai Wu and Yoan Shin (Soongsil University, Korea (South))
D7	1570824263	Federated Learning-Based Computation Offloading for Low-Bandwidth Edge Internet of Things	Esmot Ara Tuli (Kumoh National Institute of Technology & Networked Systems Lab, Korea (South)); Jae Min Lee and Dong Seong Kim (Kumoh National Institute of Technology, Korea (South))
D7	1570833430	2x2 Array Design of ESPAR Antenna for IoT Communication System	Md. Moklesur Rahman and Heung-Gyoon Ryu (Chungbuk National University, Korea (South))
D7	1570836788	Multiple Mobile Chargers-assisted Efficient Green Energy Wireless Charging for WRSNs	Jun Ding and Xilong Liu (Yunnan University, China); Nirwan Ansari (New Jersey Institute of Technology, USA)
D8	1570816265	Prototype implementation of downward transfer method by tunneling for a large-scale data collection system using MQTT	Fuya Aoki, Koichi Ishibashi and Tetsuya Yokotani (Kanazawa Institute of Technology, Japan)
D8	1570820184	Digital Twin Federation and Data Validation Method	Myung-Sun Baik (ETRI, Korea (South))
D8	1570821830	IoT for Movement Recognition and Prehabilitation Support System	Khalid Al Naime, Adnan Al-Anbuky and Grant Mawston (Auckland University of Technology, New Zealand)
D8	1570821933	WeBLE: A BLE-based system compliant with WoT architecture	Chun-Feng Liao (National Chengchi University, Taiwan)
D8	1570840499	Hierarchical Image Retrieval Method Based on Bag-of-Visual-Word and Eight-point Algorithm with Feature Clouds for Visual Indoor Positioning	Tianhui Zhang and Shizeng Guo (Harbin Institute of Technology, China); Lin Ma (Harbin Institute of Technology & Science and Technology on Communication Networks Laboratory, China); Weixiao Meng (Harbin Institute of Technology, China)
P1	1570799973	Study on the Reflection of the IRS in the Presence of Misaligned Incident Angles	Van Phu Tuan (Dong A University, Vietnam); Hien The Pham and Ic Pyo Hong (Kongju National University, Korea (South))

P1	1570808427	Mitigating the Effect of Impulsive Noise in Power Line Communications with Preprocessing	Hongwu Ge and Shengwu Sun (Nanjing NARI Information & Communication Technology Co., China); Xin Dai (State Grid Huaian Power Supply Company, State Grid Jiangsu Electric Power Co., China); Hao Tian (Nanjing University of Posts and Telecommunications, China)
P1	1570812626	Joint Availability Importance on Markov Model	Kazuya Nakajima and Masahiro Hayashi (Tokyo City University, Japan)
P1	1570814637	Dual Triangular-shaped DRA Excited with Asymmetric Slot Coupled for Wideband Circular Polarization Applications	Rajkishor Kumar (Vellore Institute of Technology, India); Arvind Kumar (Visvesvaraya National Institute of Technology Nagpur, India); Avinash Chandra (Vellore Institute of Technology Vellore, India); Kundan Kumar (Sant Longowal Institute of Engineering and Technology, India); Raghvendra Kumar Kumar Chaudhary (Indian Institute of Technology Kanpur, India); Naveen Mishra (IIT (ISM) Dhanabd, India)
P1	1570816274	Performance of CSK Modulation with Various Lengths	Hyunwoo Cho, Hyojeong Choi and Hong-Yeop Song (Yonsei University, Korea (South))
P1	1570820343	Sum Rate Optimization for UAV-assisted NOMA-based Backscatter Communication System	Zifu Fan, Yang Hu, Zhengqiang Wang and Xiaoyu Wan (Chongqing University of Posts and Telecommunications, China); Bin Duo (Chengdu University of Technology, China)
P1	1570823866	Research on Active/Passive Hybrid IRS Assisted Communication Method Based on Deep Learning	Chenguang He, Yuchuan Ma, Shengxian Huang and Jing Li (Harbin Institute of Technology, China)
P1	1570823985	A Low Complexity Non-linear Iterative Receiver for Overloaded MIMO-OFDM Systems	Shuhei Makabe, Satoshi Denno and Yafei Hou (Okayama University, Japan)
P1	1570824955	Deep Learning based Multiple-Beam Transmission for IEEE 802.11ay Beamforming Training	Mun-Suk Kim (Sejong University, Korea (South))
P1	1570825356	Sound Event Detection Using Attention and Aggregation-Based Feature Pyramid Network	JiWon Kim (Gwangju Institute of Science and Technology (GIST), Korea (South)); Geon Woo Lee and Hong Kook Kim (Gwangju Institute of Science and Technology (GIST), Korea (South)); Nam Kyun Kim (Korea Automotive Technology Institute, Korea (South))
P1	1570829519	Performance Analysis of Extended Integrated Interleaved Codes	Keyue Deng, Xinyuan Qiao, Yuxing Chen, Suwen Song and Zhongfeng Wang (Nanjing University, China)
P1	1570830173	Constructions of Optical MIMO Priority Queues With Time-Varying Service Capacity	Jay Cheng, Hsin-Hung Chou, Shin-Shiang Huang and Ming-Che Tang (National Tsing Hua University, Taiwan)
P1	1570840178	DNN-based Positioning with Optimum Input Parameter in Indoor VLC LOS/NLOS Environment	Sung Hyun Oh (Tech University of Korea, Korea (South)); Jeong Gon Kim (Korea Polytechnic University, Korea (South))
P1	1570840296	Design of Retransmission Mechanism for Decentralized Inference with Graph Neural Networks	Jiaying Zhang (Zhejiang University, China); Yutong Jiang (Zhejiang University, China); Xingyu Liu, Mengyuan Lee, Huiguo Gao and Guanding Yu (Zhejiang University, China)
P1	1570840346	A Pilot-Aided Dual-Mode Multiple Sequences Spread-Spectrum System for Underwater Acoustic Communication	Zhengjie Zhu, Weikai Xu and Lin Wang (Xiamen University, China)
P1	1570840369	A lightweight Machine-learning based Wireless Link Estimation for IoT devices	Khanh-Hoi Le Minh and Le Kim-Hung (University of Information Technology, Vietnam); Quan Le-Trung (University of Information Technology - VNUHCM, Vietnam)
P1	1570840406	Compact SIW-based Feeding Network for S-band Monopulse Antenna	Shita Herfiah and Achmad Munir (Institut Teknologi Bandung, Indonesia)
P1	1570840715	MIMO Visible Light Communication System	Maha Sliti (Communication Networks and Security Research Lab., Tunisia)
P2	1570805168	ISFC: Intent-driven Service Function Chaining for Satellite Networks	Lulu Zhang and Chungang Yang (Xidian University, China); Alagan Anpalagan (Toronto Metropolitan University, Canada); Ying Ouyang and Tong Li (Xidian University, China)
P2	1570810984	Performance of Multipath TCP Schedulers in Concurrent Use of 5G and 4G Networks	Imtiaz Mahmud and You-Ze Cho (Kyungpook National University, Korea (South))

P2	1570814794	Improved Solution of Topology Concealment Problem in Computing Network Reliability	Raku Hatanaka and Masahiro Hayashi (Tokyo City University, Japan)
P2	1570815629	Study on data center server management system for using server power estimation technology	Katsumi Fujita (NTT Corporation, Japan); Eriko Iwasa (NTT, Japan); Masashi Kaneko (NTT Corporation, Japan)
P2	1570824205	Image Encryption Based on 5-Neighbor Programmable Cellular Automata	Sung-Won Kang (Pukyong National University, Korea (South)); Un Sook Choi (Tongmyong University, Korea (South))
P2	1570824299	Machine Learning Based Security for Smart Cities	Gabriel Amaizu, Jae Min Lee and Dong Seong Kim (Kumoh National Institute of Technology, Korea (South))
P2	1570824889	Experimental Investigation on Absorption Power of Electromagnetic Wave Absorber Based on Patch Pattern	Budi Syihabuddin (Telkom University, Indonesia); Mohammad Ridwan Effendi (ITB, Indonesia); Agus D. Prasetyo (Telkom University, Indonesia); Achmad Munir (Institut Teknologi Bandung, Indonesia)
P2	1570828245	Evaluation of physical-layer security schemes for space-time block coding under imperfect channel estimation	Seunggyu Hwang, Hyein Lee and Sooyoung Kim (Jeonbuk National University, Korea (South))
P2	1570828515	Pure Voting (PV): An Offline Voting Algorithm	Ikechi Igboanusi and Revin Naufal Alief (Kumoh National Institute of Technology, Korea (South)); Muhammad Rasyid Redha Ansori (Kumoh National Institute of Technology, Gumi, Korea (South)); Allwinnaldo Allwinnaldo, Jae Min Lee and Dong Seong Kim (Kumoh National Institute of Technology, Korea (South))
P2	1570830462	Improvement of Bandwidth Fairness between TCP BBRv2 and CUBIC	Hyo-Seop Cho (Kyungpook National University, Korea (South))
P2	1570833990	Efficient initial wake-up methods when using Partial Networking In-Vehicle network	HyunKyung Roh, YeonYong Shin and SungHoon Kim (Infineon Technologies Korea, Korea (South))
P2	1570837181	RQGPR: Rational Quadratic Gaussian Process Regression for Attack Detection in the SCADA Networks	Love Allen Ahakonye, Cosmas Ifeanyi Nwakanma, Jae Min Lee and Dong Seong Kim (Kumoh National Institute of Technology, Korea (South))
P2	1570838600	Speech Emotion Recognition using Context-Aware Dilated Convolution Network	Samuel Kakuba and Dong Seog Han (Kyungpook National University, Korea (South))
P2	1570840128	Gorbhani Amplifier and Doppler Issues for Inter-Satellite Data Links	Pasi Kishore (Space, India)
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S1	1570842255	System design consideration for the digital onboard processor of the data relay satellite	Eusuk Shim and Kyung-Deok Yu (LIGNex1, Korea (South))
SP	1570841508	Considerations about Schemes for Commercial/Defense Joint Operation of LEO Satellite Networks	Seung-Yup Oh (LIGNex1, Korea (South)); Jin-Ki Kim (Ajou University, Korea (South)); Choong-Ho Song (LIGNex1, Korea (South))
SP	1570817953	Doppler Analysis and Compensation for Distributed LEO-MIMO Satellite Communications	Sangwoo Hong (Seoul National University, Korea (South)); Wonjae Shin (Ajou University, Korea (South)); Jungwoo Lee (Seoul National University, Korea (South))
SP	1570825839	Regression based Pilot Design for Doppler Effect Estimation and Compensation in LEO Satellite Communication with LoRa	Jinho Kang (Gyeongsang National University, Korea (South)); Gyeongrae Im and Dong-Hyun Jung (ETRI, Korea (South)); Sooyeob Jung (Electronics and Telecommunication Research Institute (ETRI), Korea (South)); Jung-Bin Kim (ETRI - Electronics & Telecommunications Research Institute, Korea (South)); Pansoo Kim and JoonGyu Ryu (ETRI, Korea (South))
SP	1570825840	Analysis of SINR according to Elevation Angle in Earth Fixed Beam	Jina Yu (University of Ajou, Korea (South)); Jae-Hyun Kim (Ajou University, South Korea, Korea (South))
SP	1570827329	Terminal ASIC Structure for Satellite IoT transmission	Sooyeob Jung (Electronics and Telecommunication Research Institute (ETRI), Korea (South)); Mi-kyung Oh (ETRI, Korea (South)); Sangjae Lee (ETRI, KOREA, Korea (South)); JoonGyu Ryu (ETRI, Korea (South))
SP	1570830554	Survey on Doppler Characterization and Compensation Schemes in LEO Satellite Communication Systems	Byungha You and Haejoon Jung (Kyung Hee University, Korea (South)); In-Ho Lee (Hankyong National University, Korea (South))
SP	1570836704	Analysis of Low-Latency Virtual Network Resource Reservation for LEO Satellite Network	Taeyoun Kim and Jeongho Kwak (DGIST, Korea (South)); Jihwan P. Choi (Korea Advanced Institute of Science and Technology, Korea (South))
SP	1570838050	Performance Analysis for 5G/6G Satellite Communication under Nonlinear HPA Channel	Pansoo Kim and JoonGyu Ryu (ETRI, Korea (South)); Seung Keun Park (Electronics and Telecommunications Research Institute, Korea (South))
SP	1570839162	A 17.5~20.5 GHz 30W GaN HPA MMIC for Ka-band Satellite Communications	Inkwon Ju, Byoung-Sun Lee and Chang Dongpil (ETRI, Korea (South))
SP	1570840278	Joint Transmission and Commutation Power Allocations for Satellite Communication Security	Suhyeon Jeon (Daegu Gyeongbuk Institute of Science & Technology, Korea (South)); Jeongho Kwak (DGIST, Korea (South)); Jihwan P. Choi (Korea Advanced Institute of Science and Technology, Korea (South))

SP	1570840530	Downlink link-level Simulator designs for 3GPP Rel. 16 NR Non-Terrestrial Networks	Gyeongrae Im (ETRI, Korea (South)); Jung-Bin Kim (ETRI - Electronics & Telecommunications Research Institute, Korea (South)); JoonGyu Ryu (ETRI, Korea (South)); Seung Keun Park (Electronics and Telecommunications Research Institute, Korea (South))
SP	1570840879	An Overview of Architecture and Applications of Delay Tolerant Network for Korea Pathfinder Lunar Orbiter	Lee Kyungrak (ETRI, Korea (South)); Jin-Ho Jo (Electronics and Telecommunications Research Institute, Korea (South)); Byoung-Sun Lee and Sinae Ji (ETRI, Korea (South))
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SP	1570841518	Delay and Reliability Evaluation of Industrial Wireless LAN System	Tran Thi Thao Nguyen and Nguyen Viet Ha (University of Science, VNU-HCM, Vietnam); Hiroshi Ochi (Kyushu Institute of Technology, Japan)
SP	1570845425	Sequential Statistical Analysis-Based Method for Attacks Detection in Cognitive Radio Networks	Vladimir V. Shakhov (University of Ulsan, Korea (South))