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January 9, 2019 (Wednesday)

[Oral Sessions 1] IoT and CPS

13:30-15:30

Chair: Debasis Das (BITS Pilani, India)

[0-1-1] Secure and Fast Multiple Nodes Join Mechanism for IPv6-based Industrial Wireless Network

Yuan Zhuang, Qiaoyue Pang and Min Wei (Chongqing University of Posts and Telecommunications, P.R. China)

[0-1-2] Mobility Management for Healthcare Services in CoAP-based IoT Networks

Joong-Hwa Jung and Dong-Kyu Choi (Kyungpook National University, Korea); Ji-in Kim (Research Institude, silla System, Korea); Seok-Joo Koh (Kyungpook National University & Description of the Institute of the Institu

- [0-1-3] Experimental Evaluation of Mobile Core Networks on Simultaneous Access from M2M/IoT Terminals Masaki Ueno, Go Hasegawa and Masayuki Murata (Osaka University, Japan)
- [0-1-4] Accurate Position Estimation of a Drifting Wireless LAN Communication Device in a 200Mm-Diameter Small Sewer Pipe

Yuki Takei and Zhi Liu (Shizuoka University, Japan); Hiroaki Sawano (Aichi Institute of Technology, Japan); Susumu Ishihara (Shizuoka University, Japan)

[Oral Session 2] Machine Learning and AI

13:30-15:30

Chair: Joongheon Kim (Chung-Ang University, Korea)

- [0-2-1] Resource Centric Characterization and Classification of Applications Using KMeans for Multicores

 Preeti Jain (Mumbai University, India): Sunil Surve (FrCRCE, India)
- [0-2-2] Route Cache Based SVM Classifier for Intrusion Detection of Control Packet Attacks in Mobile Adhoc Networks

Robert Basomingera and Young-June Choi (Ajou University, Korea)

[0-2-3] Imbalanced Internet Traffic Classification Using Ensemble Framework

Phuylai Oeung and Fuke Shen (East China Normal University, P.R. China)

[0-2-4] Binarized Multi-factor Cognitive Detection of Biomodality Spoofing in Fog Based Medical Cyber-Physical System

Nishat Mowla, Inshil Doh and Kijoon Chae (Ewha Womans University, Korea)

[0-2-5] Self-Driving Car Meets Multi-access Edge Computing for Deep Learning-Based Caching

Anselme Ndikumana and Choong Seon Hong (Kyung Hee University, Korea)

[Oral Session 3] Network Security

16:00-18:00

Chair: Robert Basomingera (Ajou University)

- [0-3-1] Stochastic Heuristic Approach to Addition Chain Problem in PKC for Efficiency and Security Effectiveness Adamu Muhammad Noma (Bauchi State University Gadau, Nigeria); Abdullah Muhammed (Universiti Putra Malaysia, Malaysia)
- [0-3-2] Unified Cloud Access Control Model for Cloud Storage Broker

Muhammad Ihsan Haikal Sukmana (Hasso Plattner Institut University Potsdam, Germany); Kennedy A Torkura and Hendrik Graupner (Hasso Plattner Institute, University of Potsdam, Germany); Feng Cheng (University of Potsdam, Germany); Christoph Meinel (Hasso Plattner Institute, University of Potsdam, Germany)

[0-3-3] Trustless Two-Factor Authentication Using Smart Contracts in Blockchains

Varun Amrutiya, Siddhant Jhamb and Pranjal Priyadarsh (BITS, Pilani, India); Ashutosh Bhatia (Birla Institute of Technology and Science, Pilani, India)

[0-3-4] A Lightweight Authentication and Communication Protocol in Vehicular Cloud Computing Harsha Vasudev (BITS Pilani Goa Campus, Goa, India); Debasis Das (BITS Pilani Goa Campus, India)

[0-3-5] Privacy in the Internet of Vehicles: Models, Algorithms, and Applications

Madhur Poddar, Swathi Ganta, Swaraj K. R and Debasis Das (BITS Pilani Goa Campus, India)

[Oral Session 4] Vehicle Network

16:00-18:00

Chair: Abdullah Muhammed (UPM, Malaysia)

[0-4-1] Reservation-based Intersection Crossing Scheme for Autonomous Vehicles Traveling in a Speed Range

> Myungwhan Choi and Areeya Rubenecia (Sogang University, Korea); Hyo Hyun Choi (Inha Technical College, Korea)

[0-4-2] In-Vehicle Infotainment Management System in Internet-of-Things Networks

Dong-Kyu Choi and Joong-Hwa Jung (Kyungpook National University, Korea); Seok-Joo Koh (Kyungpook National University & College of IT Engineering, Korea); Ji-in Kim (Research Institude, silla System, Korea); Juyoung Park (ETRI, Korea)

[0-4-3] Cell Association in Energy-Constrained Unmanned Aerial Vehicle Communications Under Altitude Consideration

> Nway Nway Ei, Choong Seon Hong, Chit Wutyee Zaw and Min Kyung Lee (Kyung Hee University, Korea)

Oral Sessions

- [O-4-4] Performance Analysis of Uplink V2I Cooperative Transmission Scheme in Practical Road Environments Hayato Ishikawa and Eiji Okamoto (Nagoya Institute of Technology, Japan); Shouhei Okamoto and Hiraku Okada (Nagoya University, Japan); Satoshi Makido (Toyota Central R&D Labs., Inc., Japan)
- [0-4-5] Performance Analysis of a Terrestrial/UAV Integrated Mobile Communications System Using Code Division Multiplexing in Natural Disasters

Ryo Hasegawa and Eiji Okamoto (Nagoya Institute of Technology, Japan); Hiroyuki Tsuji (National Institute of Information and Communications Technology, Japan); Amane Miura (Institute of Information and Communications Technology, Japan)

January 10, 2019 (Thursday)

[Oral Session 5] 5G Cellular Network

09:00-11:00

Chair: Hiroyuki Otsuka (Kogakuin University, Japan)

[0-5-1] A Chance Constrained Based Formulation for Multiplexing of URLLC and eMBB Traffics in 5G New Radio

> Madyan Alsenwi, Shashi Pandey, Yan Kyaw Tun, Ki Tae Kim and Choong Seon Hong (Kyung Hee University, Korea)

[0-5-2] Joint Task Offloading and Flexible Functional Split in 5G Radio Access Network

Zhipeng Cheng, Yuliang Tang and Haijie Wu (Xiamen University, P.R. China)

[0-5-3] Throughput Performance of Relay Backhaul Enhancement Using 3D Beamforming

Hiroki Utatsu and Kai Ōsawa (Kogakuin University, Japan); Jun Mashino and Satoshi Suyama (NTT DOCOMO, INC., Japan); Hiroyuki Otsuka (Kogakuin University, Japan)

[0-5-4] Optimizing Power by Combining Small Cells with a Massive MIMO for Maximum Energy Efficiency Under Two Path Loss Models

Teerapat Sanguankotchakorn (Asian Institute of Technology & School of Engineering and Technology, Thailand); Aravind kumar Chintala (Asian Institute of Technology, India)

[0-5-5] A Mode Selection Algorithm for Mitigating Interference in D2D Enabled Next-Generation Heterogeneous Cellular Networks

> Md Kamruzzaman, Nurul I Sarkar and Jairo A Gutierrez (Auckland University of Technology, New Zealand); Sayan Kumar Ray (Manukau Institute of Technology, New Zealand)

[0-5-6] An Uplink Non-Orthogonal Multiple Access Scheme Having Physical Layer Security Based on Chaos Modulation

> Yoshihiro Masuda and Eiji Okamoto (Nagoya Institute of Technology, Japan); Tetsuya Yamamoto (Panasonic Corporation, Japan); Ito Keita (Nagoya Institute of Technology, Japan)

[Oral Session 6] Big Data and Cloud Computing

09:00-11:00

Chair: Muhammad Hanif (Hanyang University, Korea)

[0-6-1] A Heuristic Mixed Model for Viral Marketing Cost Minimization in Social Networks

Ashis Talukder, DoHyeon Kim and Choong Seon Hong (Kyung Hee University, Korea)

[0-6-2] Distributed Key-Value Storage for Edge Computing and Its Explicit Data Distribution Method

Takehiro Nagato, Takumi Tsutano, Tomio Kamada and Yumi Takaki (Kobe University, Japan); Chikara Ohta (Kobe University & Graduate School of Science, Technology and Innovation, Japan)

[0-6-3] Post-Mining of Generalized Association Rules from Data Cubes

Hanen Brahmi (Faculty of Sciences, Tunisia)

[0-6-4] Ontology Enhanced Mining of Multidimensional Association Rules from Data Cubes Hanen Brahmi (Faculty of Sciences, Tunisia)

[0-6-5] Optimized Service Function Path Selection for IoT Devices
Using Virtual Network Function Performance Data

Shanaka Abeysiriwardhana (Keio University, Japan); Janaka Wijekoon (SLIIT Malabe Campus, Sri Lanka); Hiroaki Nishi (Keio University, Japan)

[Oral Session 7] Multimedia and QoS

13:30-15:30

Chair: Jung Ryun Lee (Chung-Ang University, Korea)

[0-7-1] Video-Aware Multipath Network Coding over Multi-hop Wireless Networks

Huali Cui (Xi'an Jiaotong University, P.R. China); Qindong Sun and Beibei Zhang (Xi'an University of Technology, P.R. China); Xingjun Zhang (Xi'an Jiaotong University, P.R. China); Weiguo Wu (Xi'an Jiaotong Univ, P.R. China)

[0-7-2] Cooperative Server-Client HTTP Adaptive Streaming System for Live Video Streaming

> Sangwook Han, Yunmin Go and Hyunmin Noh (POSTECH, Korea); Hwangjun Song (POSTECH (Pohang University of Science and Technology), Korea)

[0-7-3] WebRTC-based Multi-View Video and Audio Transmission and Its QoE

Yuki Maehara and Toshiro Nunome (Nagoya Institute of Technology, Japan)

[0-7-4] Collective Segment Request Policy of HTTP Adaptive Streaming in Multipath Environments

Heekwang Kim and Kwangsue Chung (Kwangwoon University, Korea)

[0-7-5] Energy-Efficient Sleep Mode Adjustment Considering GoP Structure

Meihua Jin, Ji-Young Jung, Dara Ron, Sengly Muy, and Jung-Ryun Lee (Chung-Ang University, Korea)



[Oral Session 8] Network Performance Evaluation

13:30-15:30

Chair: Takeo Fujii (The University of Electro-Communications, Japan)

[0-8-1] Distributed ID/Locator Resolution System for Inter Mesh Networks

Masaaki Ohnishi and Kazuyuki Shudo (Tokyo Institute of Technology, Japan)

[0-8-2] An Efficient Gateway Routing Scheme for Disaster Recovery Scenario

Nor Aida Mahiddin (University Sultan Zainal Abidin & Derengganu, Malaysia); Nurul I Sarkar (Auckland University of Technology, New Zealand)

[O-8-3] Network MIMO with Interference Cancellation for Cloud-Cooperated Wireless Sensor Networks Toshiki Nonaka and Takeo Fujii (The University of Electro-Communications, Japan); Osamu Takyu (Shinshu University Japan); Mai Ohta (Fukuoka University, Japan)

[0-8-4] Gigabit Ethernet with Wireless Extension: OPNET Modelling and Performance Study

Nurul I Sarkar, Sonia Gul and Bowen Anderton (Auckland University of Technology, New Zealand)

[0-8-5] 3D-Deployment of Magnetic Induction Relays in Underwater Sensor Networks Sai Wang and Yoan Shin (Soongsil University, Korea)

[0-8-6] BLE-enabled Medication Events Monitoring System (MEMS) for Community Dwelling Seniors Avinash Subramaniam (University of Illinois At Urbana-Champaign, USA); Hwee-Xian Tan (Singapore Management University, Singapore); Hwee Pink Tan (Singapore Management University & TCS-SMU iCity Lab, Singapore)

January 11, 2019 (Friday)

[Oral Session 9] SDN

09:00-11:00

Chair: Sangheon Pack (Korea University, Korea)

[0-9-1] TALON: Tenant Throughput Allocation Through Traffic Load-balancing in Virtualized Softwaredefined Networks

Heesang Jin, Gyeongsik Yang, Bong-yeol Yu and Chuck Yoo (Korea University, Korea)

[0-9-2] A Practical Model for Optimal Placement of Virtual Network Functions

Nguyen Tri-Hai, Jaejin Lee and Myungsik Yoo (Soongsil University, Korea)

[0-9-3] WhiteVisor: Support of White-box Switch in SDNbased Network Hypervisor

Bong-yeol Yu, Gyeongsik Yang, Heesang Jin and Chuck Yoo (Korea University, Korea)

[0-9-4] SDN-enabled Value-based Traffic Management Mechanism in Resource-Constrained Sensor Devices

Melchizedek I Alipio, Alex Gyran Co, Melinda Faye Hilario and Christian Miguel Pama (Malayan Colleges Laguna, Philippines)

[0-9-5] Optimal and Secure Controller Placement in SDN Based Smart City Network

Samir Kumar Tarai (International Institute of Information Technology, Bangalore & HP Inc., India); Samar Shailendra (Tata Consultancy Services, India)

[Oral Session 10] Wireless Communications and Networks

09:00-11:00

Chair: Eiji Okamoto (Nagoya Institute of Technology, Japan)

[0-10-1] A Chaos MIMO-based Polar Concatenation Code for Secure Channel Coding

Ito Keita, Yoshihiro Masuda and Eiji Okamoto (Nagoya Institute of Technology, Japan)

[0-10-2] Chance-Constrained Spectrum Allocation for Fair LTE-U/Wi-Fi Coexistence

Aunas Manzoor, Seok-Won Kang and Choong Seon Hong (Kyung Hee University, Korea)

[0-10-3] Experimental Verification of Frequency-Correlation in Radio Propagation Characteristics for Radio Environment Recognition

Keita Onose and Takeo Fujii (The University of Electro-Communications, Japan); Kei Inage (Tokyo Metropolitan College of Industrial Technology, Japan); Koya Sato (Tokyo University of Science, Japan)

[0-10-4] 3-D GM-MAC with Fixed Sensor Nodes for Stability Improvement

Yoonkyung Jang, Ahreum Shin, Myeongseung Han and In Tae Ryoo (Kyung Hee University, Korea)

[0-10-5] Weighted Proportional Allocation Based Power Allocation in Wireless Network Virtualization for Future Wireless Networks

Yan Kyaw Tun, Shashi Pandey, Madyan Alsenwi, Chit Wutyee Zaw and Choong Seon Hong (Kyung Hee University, Korea)

[0-10-6] A Dynamic TDMA Scheme for UAV Based Relay in Combat Net Radio Networks

Jinhyeok Park (AJOU, Korea); Hoki Baek and Jae Sung Lim (Ajou University, Korea)

Poster Sessions

January 10, 2019 (Thursday)

[Poster Session 1]

11:30-12:30

Chair: Sungwook Kim (Sogang University, Korea)

- [P1-1] Can Reinforcement Learning Address Security Issues? an Invest igation into a Clustering Scheme in Distributed Cognitive Radio Networks Mee Hong Ling and Kok-Lim Alvin Yau (Sunway University, Malaysia)
- [P1-2] Distributed Ledger Technologies for M2M Communications Christoph Ruland, Natasa Zivic and Jochen Sassmannshausen (University of Siegen, Germany)
- [P1-3] An Adjustable Channel Hopping Algorithm Based on Channel Usage Ratio for Multi-Radio CRNs Chih-Min Chao, Chia-Tsun Chen and Shin Chung Huang (National Taiwan Ocean University, Taiwan)
- [P1-4] Risk Analysis in Fieldbus Networks Using the Example of KNX

 Johannes Goltz, Simeon Wiedenmann and Thomas Mundt (University of Rostock, Germany)
- [P1-5] Design of Power Saving Schemes for the IoT Shou-Chih Lo and Azusa likubo (National Dong Hwa University, Taiwan)
- [P1-6] Application of OFDM in Underwater Magnetic Induction Communication

 Wentao Zhou and Yoan Shin (Soongsil University, Korea)
- [P1-7] Enhancement of MAC Protocol for Power Reduction in LoRaWAN

 Keitaro Terada, Hiroaki Mukai and Tetsuya Yokotani (Kanazawa Institute of Technology, Japan)
- [P1-8] System Designing and Plototyping on IoT for a Factory
 Daiki Takemura, Tetsuya Yokotani, Atsusuke Murata and
 Kensei Miyakoshi (Kanazawa Institute of Technology,
 Japan); Yasunori Kobayashi and Yasuhiro Kobayashi
 (KOBAYASHI MANUFACTURE Ltd. Japan)
- [P1-9] The Urban-Area Mitigation System for Providing Information and Its Generalization
 Shota Uchiyama, Yutaro Yanagida, Masahiro Murakami and Osamu Mizuno (Koqakuin University, Japan)
- [P1-10] Data Transfer Methods for Information-Centric Networkingbased Wireless Sensor Network Platform Keigo Kimura, Kandai Mochizuki, Masafumi Koike and Osamu Mizuno (Kogakuin University, Japan)
- [P1-11] On A Posteriori Error Bounds of Trapezoidal Rule
 Bum II Hong and In Tae Ryoo (Kyung Hee University, Korea);
 Gon Khang (Kyunghee University, Korea)

[P1-12] Deep Reinforcement Learning Based Sensor Data Management for Vehicles

Jeongmin Moon (Sunkyunkwan University & Computer Network Lab, Korea); Mukoe Cheong and Ikjun Yeom (Sungkyunkwan University, Korea); Honguk Woo (Samsung Electronics. Korea)

- [P1-13] NodeMCU Choreography Automation by CoAP

 Krisada Sangsanit and Chian Techapanupreeda (Mahanakorn
 University, Thailand)
- [P1-14] MQTT over VLAN for Reduction of Overhead on Information Discovery

 Yuva Sasaki, Tetsuva Yokotani and Hiroaki Mukai (Kanazawa)

Yuya Sasaki, Tetsuya Yokotani and Hiroaki Mukai (Kanazawa Institute of Technology, Japan)

[P1-15] The Mobile Edge Computing (MEC)-based VANET Data O ffloading Using the Staying-Time-oriented K-Hop Away O ffloading Agent Chung-Ming Huang and Zhong-You Wu (National Cheng Kung University, Taiwan); Shih-Yang Lin (Shandong

University of Technology, P.R. China)

- [P1-16] Evaluation of Multiplexing on the Characteristics of Surveillance Camera Data Traffic Yoshiki Kuwabara, Yudai Matsuno, Hiroaki Mukai, Tetsuya Yokotani and Kan Akutsu (Kanazawa Institute of Technology, Janan)
- [P1-17] ARP Poisoning Attack Detection Based on ARP Update State in Software-Defined Networks

 Minho Park (Soongsil University, Korea); SungWon Ahn (University of Soongsil, Korea); Thang Nguyen Canh (Soongsil University, Korea); YoungPin Kim (Soongsil university, Korea); Dongho Choi (Soongsil University, Korea)
- [P1-18] Optimal Trajectory Learning for UAV-BS Video Provisioning System: A Deep Reinforcement Learning Approach

Dohyun Kwon and Joongheon Kim (Chung-Ang University, Korea)



[Poster Session 2]

16:00-17:00

Chair: Young-June Choi (Ajou University, Korea)

[P2-1] Toward an Active Aging Society an IT Model to Engage the Aging Population

Tuan V Ha and Doan B Hoang (University of Technology Sydney, Australia)

[P2-2] Quantifying Activity Levels of Community-Dwelling Seniors Through Beacon Monitoring

Jin Qiang Goh (Singapore Management University, Singapore); Hwee Pink Tan (Singapore Management University & TCS-SMU iCity Lab, Singapore); Hwee-Xian Tan (Singapore Management University, Singapore)

[P2-3] Biochemical-inspired Autonomous Control of Virtualized Network Functions

Ryota Kurokawa (University of Osaka, Japan); Go Hasegawa and Masayuki Murata (Osaka University, Japan)

[P2-4] Benchmarking Tool for Modern Distributed Stream Processing Engines

Muhammad Hanif, Hyungduk Yoon and Choonhwa Lee (Hanyang University, Korea)

[P2-5] Performance Evaluation of the Geographic Routing Protocols Scalability

> Akashah Arshad, Zurina Mohd Hanapi and Shamala Subramaniam (Universiti Putra Malaysia, Malaysia); Rohaya Latip (University Putra Malaysia, Malaysia)

[P2-6] An Experimental View on Fairness Between HTTP/1.1 and HTTP/2

Jiwon Min (ChungNam National University, Korea); Youngseok Lee (Chungnam National University, Korea)

[P2-7] Anchor-based Group Relay MAC

Ahreum Shin, Myeongseung Han, Yoonkyung Jang and In Tae Ryoo (Kyung Hee University, Korea)

[P2-8] Infection Dynamics of Self-Evolving Botnets with Deterministic Modeling

Yuya Kumai and Koki Hongyo (Kansai University, Japan); Tomotaka Kimura (Doshisha University, Japan); Kouji Hirata (Kansai University, Japan)

[P2-9] Popularity-based Content Cache Management for In-Network Caching

Taketo Fukushima, Masamitsu lio, Kouji Hirata and Miki Yamamoto (Kansai University, Japan)

[P2-10] Aggressive Recovery Scheme for Multicast Communication in Intermittently Connected Mobile Ad-Hoc Networks

> Tomotaka Kimura (Doshisha University, Japan); Chinthaka Premachandra (Shibaura Institute of Technology, Japan)

[P2-11] Performance Evaluation of Information-Sharing Scheme Among Multiple Destinations with Mirroring Null Steering in Single Ant enna Networks

> Tetsuya Noguchi and Osamu Takyu (Shinshu University, Japan); Takeo Fujii (The University of Electro-Communications, Japan); Tomoaki Ohtsuki (Keio University, Japan)

[P2-12] Data Separation Considering Smoothness of Sensing Data in Physical Wireless Parameter Conversion Sensor Networks

Shuhei Yamasaki, Osamu Takyu and Keiichiro Shirai (Shinshu University, Japan); Takeo Fujii (The University of Electro-Communications, Japan); Mai Ohta (Fukuoka University, Japan); Fumihito Sasamori and Shiro Handa (Shinshu University, Japan)

[P2-13] A Comparative Study on Anchorless Routing in 5G System

> Kenji Fukui and Koji Tsubouchi (NTT DOCOMO, INC., Japan); Shigeru Iwashina (NTT DOCOMO, INC, Japan)

[P2-14] Protected Coordination of Service Mesh for Container-based 3-tier Service Traffic

Moonjoong Kang; Jun-Sik Shin; JongWon Kim (GIST, Korea)

[P2-15] A Dynamic Cache Size Assignment Method with Bandwidth Reservation for CCN

Atsuko Yokotani (The University of Electro-Communications, Japan); Satoshi Ohzahata (The University of Electro-Communications & Graduate School of Information Systems, Japan); Ryo Yamamoto (The University of Electro-Communications, Japan); Toshihiko Kato (University of Electro-Communications, Japan)

[P2-16] Design and Prototyping of Container-enabled Cluster for High Performance Data Analytics JinCheol Kwon, Namgon Lucas Kim, Moonjoong Kang and

JinCheol Kwon, Namgon Lucas Kim, Moonjoong Kang and JongWon Kim (Gwangju Institute of Science and Technology, Korea)

[P2-17] Low Cost Fine-grained Air Quality Monitoring System Using LoRaWAN

Junhyun Park, Youngjune Oh, Hyungho Byun and Chongkwon Kim (Seoul National University, Korea)

[P2-18] On Fair and Efficient Bandwidth Sharing in User Provided Networks

> Sinan Emre Tasci and Ömer Korçak (Marmara University, Turkev)

Poster Sessions

January 11, 2019 (Friday)

[Poster Session 3]

11:30-12:30

Chair: Sanghwan Lee (Kookmin University, Korea)

- [P3-1] Prediction Based Sub-Task Offloading in Mobile Edge Computing Choong Seon Hong, Ki Tae Kim, Seok-Won Kang and Jared Lynskey (Kyung Hee University, Korea)
- [P3-2] PMIP-based Distributed Session Mobility Management for 5G Mobile Network Kyoungjae Sun (Soongsil University & Distribution of Electronic Engineering, Korea); younghan Kim (Soongsil University, Korea)
- [P3-3] A Study on Fault Tolerance Technique for AGR-MAC Protocol Based Sensor Networks
 In Tae Ryoo and Myeongseung Han (Kyung Hee University, Korea); Jun-hyuk Lee (Sahmyook Health University, Korea); Eun-Sung Cho (WETOONE Co., Ltd., Korea)
- [P3-4] A Study on Communication Optimization in multi-SDN Controller Woojin Shim and Keecheon Kim (Konkuk University, Korea)
- [P3-5] Blockchain-based Management of Video Surveillance Systems Ki-Hyung Kim (Ajou University, Korea); Yena Jeong (University of Ajou, Korea); DongYeop Hwang (Ajou University, Korea)
- [P3-6] Improving TDoA Based Positioning Accuracy Using Machine Learning in a LoRaWAN Environment Ki-Hyung Kim and JaeSik Cho (Ajou University, Korea); Dong Yeop Hwang (Ajou Univ, Korea)
- [P3-7] Adaptive Preventive and Remedial Measures in Resolving Cloud Quality of Service Violation Gaik-Yee Chan (MMU, Malaysia); Tong-Sheng Wong (Multimedia University, Cyberjaya, Malaysia); Fang-Fang Chua (Multimedia University, Malaysia)
- [P3-8] Dynamic Adaptive Streaming over HTTP Using Scalable Video Coding with Multipath TCP in SDN Ali Gohar (Kookmin Universty, Korea); Ali Raza and Sanghwan Lee (Kookmin University, Korea)
- [P3-9] Dynamic Service Function Chaining by Resource Usage Learning in SDN/NFV Environment Sang il Kim (KwangWoon University, Korea); Hwasung Kim (Kwangwoon University, Korea)
- [P3-10] A Personal Information Management Using BlockChain Yongseon Ji, SuHwan Bae and Yongtae Shin (Soongsil University, Korea)