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# TECHNICAL SESSIONS

## Technical Session 1: Cellular Networks

Date: Wednesday, October 5, 2016, 14:25 ~ 16:05, Hall

Chair: Chih-Wei Yi (Nat'l Chiao Tung Univ., Taiwan)

TS1-1	Small Cells Placement Scheme in Metropolitan Area Environment <i>Yen-Wen Chen, Wang-Hsin Lu (Nat'l Central Univ., Taiwan)</i>
TS1-2	Joint Base Station Association and Power Control for Uplink Cognitive Small Cell Network <i>Tuan LeAnh, Seon Hyeok Kim, Choong Seon Hong (Kyung Hee Univ., Korea)</i>
TS1-3	Pricing and Revenue Optimization Strategy in Macro-Femto Heterogeneous Networks <i>Wafa Werda*, Bo Gu**, Kyoko Yamori***, Yoshiaki Tanaka* (*Waseda Univ., Japan; **Kogakuin Univ., Japan; ***Asahi Univ., Japan)</i>
TS1-4	QoS Aware Collaborative Communications with Incentives in the Downlink of Cellular Network: A Matching Approach <i>Anupam Kumar Bairagi, Nguyen H. Tran, Namho Kim, Choong Seon Hong (Kyung Hee Univ., Korea)</i>

## Technical Session 2: M2M, D2D, and Wireless Network Design

Date: Wednesday, October 5, 2016, 16:35 ~ 18:15, Hall

Chair: Yen-Wen Chen (Nat'l Central Univ., Taiwan)

TS2-1	Charging Models for M2M Communications <i>Fuchun Joseph Lin*, Wandu Tsai*, Bo Ting Lin**, Wan-Hsun Hu** (*Nat'l Chiao Tung Univ., Taiwan; **Chunghwa Telecom Labs., Taiwan)</i>
TS2-2	Enhanced Registration Procedure with NAV for Mitigated Contentions in M2M Communications <i>Nurullah Shahin, Libea Tann, Young-Tak Kim (Yeungnam Univ., Korea)</i>
TS2-3	Decentralized Spectrum Allocation in D2D Underlying Cellular Networks <i>S. M. Ahsan Kazmi, Nguyen H. Tran, Tai Ho, Dong Kyu Lee, Choong Seon Hong (Kyung Hee Univ., Korea)</i>
TS2-4	Design and Implementation of a Cluster-based Channel Assignment in High Density 802.11 WLANs <i>Hong-Jie Chen, Chin-Ping Chuang, Ya-Shian Wang, Shaw Wei Ting, Hsin-Yi Tu, Che-Chun Teng (Chunghwa Telecom Labs., Taiwan)</i>

## Technical Session 3: Mobile Applications

Date: Thursday, October 6, 2016, 10:30 ~ 12:10, Hall

Chair: Kiyohito Yoshihara (KDDI Research, Japan)

TS3-1	ICBMS SM: A Smart Mediator for Mashup Service Development <i>Doyoung Lee, Seyeon Jeong, Taeyeol Jeong, Jae-Hyoung Yoo, James Won-Ki Hong (POSTECH, Korea)</i>
TS3-2	Dynamic Module Deployment in a Fog Computing Platform <i>Hua-Jun Hong, Pei-Hsuan Tsai, Cheng-Hsin Hsu (Nat'l Tsing Hua Univ., Taiwan)</i>
TS3-3	A Reinforcement Learning Approach for Cost- and Energy-Aware Mobile Data Offloading <i>Cheng Zhang*, Bo Gu**, Zhi Liu*, Kyoko Yamori***, Yoshiaki Tanaka* (*Waseda Univ., Japan; **Kogakuin Univ., Japan; ***Asahi Univ., Japan)</i>
TS3-4	Mobile Malware Detection in Sandbox with Live Event Feeding and Log Pattern Analysis <i>Wei-Ting Lin, Jen-Yi Pan (Nat'l Chung Cheng Univ., Taiwan)</i>

## Technical Session 4: Smart Grid and SDN Controller

Date: Thursday, October 6, 2016, 10:30 ~ 12:10, Room 1

Chair: Osamu Mizuno (Kogakuin Univ., Japan)

TS4-1	A PSO-based Wireless Network Virtual Mapping Algorithm in Smart Grid <i>Zhiling Li*</i> , <i>Shaoyong Guo*</i> , <i>Yang Yang*</i> , <i>Cheng Zhong**</i> , <i>Zhu Liu***</i> (*Beijing Univ. of Posts and Telecomm., China; **State Grid Hebei Electric Power, China; ***State Grid Information & Telecomm., China)
TS4-2	A Load-Balancing-based Fault-tolerant Mapping Method in Smart Grid Virtual Networks <i>Li-Qian Sun*</i> , <i>Shao-Yong Guo*</i> , <i>Si-Ya Xu*</i> , <i>Zhu Liu**</i> , <i>Lei Wei***</i> (*Beijing Univ. of Posts and Telecomm., China; **State Grid Information & Telecomm., China; ***State Grid Nan-jing Power Supply, China)
TS4-3	An Adaptive Load Monitoring Solution for Logically Centralized SDN Controller <i>Syed Asif Raza Shah*</i> , <i>Sangwook Bae**</i> , <i>Amol Jaikar*</i> , <i>Seo-Young Noh*</i> (*Korea Univ. of Sci. and Tech., Korea; **Korea Inst. of Sci. and Tech., Korea)
TS4-4	Dynamic Application Load Balancing in Distributed SDN Controller <i>Kenji Hikichi</i> , <i>Toshio Soumiya</i> , <i>Akiko Yamada</i> (Fujitsu Labs., Japan)

## Technical Session 5: Software Defined Networks

Date: Thursday, October 6, 2016, 13:10 ~ 14:50, Hall

Chair: Young-Tak Kim (Yeungnam Univ., Korea)

TS5-1	GreSDN: Toward a Green Software Defined Network <i>Ying Hu</i> , <i>Tao Luo</i> , <i>Wenjie Wang</i> , <i>Chunxue Deng</i> (Beijin Univ. of Posts and Telecomm., China)
TS5-2	Failure Detection Service with Low Mistake Rates for SDN Controllers <i>Tsai-Wei Yang</i> , <i>Kuochen Wang</i> (Nat'l Chiao Tung Univ., Taiwan)
TS5-3	Backup-Resource Based Failure Recovery Approach in SDN Data Plane <i>Shujuan Zhang</i> , <i>Ying Wang</i> , <i>Qichao He</i> , <i>Jinke Yu</i> , <i>Shaoyong Guo</i> (Beijing Univ. of Posts and Telecomm., China)
TS5-4	Application-aware Traffic Management for OpenFlow Networks <i>Seyeon Jeong</i> , <i>Doyoung Lee</i> , <i>Junemuk Choi</i> , <i>Jian Li</i> , <i>James Won-Ki Hong</i> (POSTECH, Korea)

## Technical Session 6: P2P and Content Delivery

Date: Thursday, October 6, 2016, 15:20 ~ 17:00, Hall

Chair: Toshiro Nunome (Nagoya Inst. of Tech., Japan)

TS6-1	Impact of Item Popularity and Chunk Popularity in CCN Caching Management <i>Zhi Liu*</i> , <i>Mianxiong Dong**</i> , <i>Bo Gu***</i> , <i>Cheng Zhang*</i> , <i>Yusheng Ji****</i> , <i>Yoshiaki Tanaka*</i> (*Waseda Univ., Japan; **Muroran Inst. Tech., Japan; ***Kogakuin Univ., Japan; ****Nat'l Inst. of Informatics, Japan)
TS6-2	Packet Cache Network Function for Peer-to-Peer Traffic Management with Bloom-Filter Based Flow Classification <i>Kengo Sasaki*</i> , <i>Akihiro Nakao**</i> (*Toyota Central R&D Labs., Japan; **Univ. of Tokyo, Japan)
TS6-3	P2PTV Multi-channel Peers Analysis <i>Marwan Ghanem*</i> , <i>Olivier Fourmaux*</i> , <i>Fabien Tarissan**</i> , <i>Takumi Miyoshi***</i> (*UPMC Sorbonne Univ., France; **Univ. Paris-Saclay, France; ***Shibaura Inst. of Tech., Japan)
TS6-4	Interference-Aware Video Streaming Over Crowded Unlicensed Spectrum <i>Ching-Ling Fan</i> , <i>Daniel Huang</i> , <i>Pin-Chun Wang</i> , <i>Cheng-Hsin Hsu</i> (Nat'l Tsing Hua Univ., Taiwan)

## Technical Session 7: Data Center Networks

Date: Friday, October 7, 2016, 10:30 ~ 12:10, Hall

Chair: Kazunori Ueda (Kochi Univ. of Tech., Japan)

TS7-1	Network-aware Service Function Chaining Placement in a Data Center <i>Cheng-Husan Hsieh, Je-Wei Chang, Chien Chen, Ssu-Hsuan Lu (Nat'l Chiao Tung Univ., Taiwan)</i>
TS7-2	High Speed Optical Flow Switch Architecture Design and IDC Application Based on SDN Technologies <i>Yuh-Jiuh Cheng, Yhi Shiau, Shu-Ying Cheng, Bor-Tauo Chen (Chunghwa Telecom Labs., Taiwan)</i>
TS7-3	Towards Deadline-aware TCP with SDN for Datacenter Networks <i>Yifei Lu (Nanjing Univ. of Sci. and Tech., China)</i>
TS7-4	Equation-Based Multicast Congestion Control in Data Center Networks <i>Junya Akamatsu, Kenta Matsushima, Miki Yamamoto (Kansai Univ., Japan)</i>

## Technical Session 8: Routing

Date: Friday, October 7, 2016, 10:30 ~ 12:10, Room 1

Chair: Kazuhiko Kinoshita (Tokushima Univ., Japan)

TS8-1	Forwarding Mechanism Using Prioritized Forwarders for Opportunistic Routing <i>Taku Yamazaki*, Ryo Yamamoto**, Takumi Miyoshi***, Takuya Asaka****, Yoshiaki Tanaka* (*Waseda Univ., Japan; **Univ. of Electro-Communications, Japan; ***Shibaura Inst. of Tech., Japan; ****Tokyo Metropolitan Univ., Japan)</i>
TS8-2	Context-Aware Routing for Hovering Information in Vehicular Ad-Hoc Networks <i>Zubair Amjad, Wang-Cheol Song, Khi-Jung Ahn (Jeju Nat'l Univ., Korea)</i>
TS8-3	Discovering Maritime Traffic Route from AIS Network <i>Po-Ruey Lei*, Tzu-Hao Tsai**, Wen-Chih Peng** (*R.O.C Naval Academy, Taiwan; **Nat'l Chiao Tung Univ., Taiwan)</i>
TS8-4	Modified Controlling Queue Delay for TCP Fairness Improvement <i>Masato Hanai, Saneyasu Yamaguchi, Aki Kobayashi (Kogakuin Univ., Japan)</i>

## Technical Session 9: Traffic Detection and Identification

Date: Friday, October 7, 2016, 13:10 ~ 14:50, Hall

Chair: Takumi Miyoshi (Shibaura Inst. of Tech., Japan)

TS9-1	Finding the Highly Efficient Application Signature through Payload Signature Quality Evaluation <i>Sung-Ho Lee, Young-Hoon Goo, Baraka D. Sija, Myung-Sup Kim (Korea Univ., Korea)</i>
TS9-2	Adaptive Mobile Application Identification Through In-Network Machine Learning <i>Takamitsu Iwai, Akihiro Nakao (Univ. of Tokyo, Japan)</i>
TS9-3	A New Fusion Structure Model for Real-time Urban Traffic State Estimation by Multisource Traffic Data Fusion <i>Pan Zhang, Lanlan Rui, Xuesong Qiu, Ruichang Shi (Beijing Univ. of Posts and Telecomm., China)</i>
TS9-4	Delay-Insensitive Traffic Detection and Transfer on Network Edges <i>Quang Tran Minh*, Le Van An*, Dang Tran Khanh*, Nam Thoai*, Takeshi Kitahara**, Yasuhiko Hiehata** (*Ho Chi Minh City Univ. of Tech., Vietnam; **KDDI R&amp;D Labs., Japan)</i>

# POSTER SESSIONS

## Poster Session 1

Date: Thursday, October 6, 2016, 10:00 ~ 15:20, Room 2

Chair: Haruo Oishi (NTT, Japan)

P1-1	Evidence-based Context-aware Log Data Management for Integrated Monitoring System <i>Tatsuya Sato, Yosuke Himura, Yoshiko Yasuda (Hitachi, Japan)</i>
P1-2	An HMM-based Performance Diagnosis Approach for Hadoop Clusters <i>Jiacong Li, Ying Wang, Jinke Yu, Shaoyong Guo (Beijing Univ. of Posts and Telecomm., China)</i>
P1-3	Yang Data Model for SFC Control Plane <i>Soo-Gil Choi*, Mi-Jung Choi*, Myung-Ki Shin**, Seungik Lee** (*Kangwon Nat'l Univ., Korea; **ETRI, Korea)</i>
P1-4	Auto Scaling of Containerized ACSs for CPE Management <i>Tse-Han Wang*, Yen-Cheng Chen**, Chen-Min Hsu*, Kai-Sheng Hsu*, Hey-Chyi Young* (*Chunghwa Telecom Labs., Taiwan; **Nat'l Chi Nan Univ., Taiwan)</i>
P1-5	Design of Service Abstraction Model for Enhancing Network Provision in Future Network <i>I Gde Dharma Nugraha, Quyet Nguyen-Van, Tiep Vu Duc, Ngoc Nguyen-Sinh, Alvin Prayuda Juniarta Dwiyanoro, Kyungbaek Kim, Deokjai Choi (Chonnam Nat'l Univ., Korea)</i>
P1-6	SFS: A Massive Small File Processing Middleware in Hadoop <i>YongHua Huo*, ZhiHao Wang*, XiaoXiao Zeng**, Yang Yang**, Wenjing Li**, Cheng Zhong*** (*China Electronics Tech. Group 54th Research Inst., China; **Beijing Univ. of Posts and Telecomm., China; ***State Grid Hebei Electric Power, China)</i>
P1-7	Crowdsourcing Platform for Collaboration Management in Vulnerability Verification <i>Hung-Jen Su, Jen-Yi Pan (Nat'l Chung Cheng Univ., Taiwan)</i>
P1-8	Computational Time Complexity of Allocation Problem for Distributed Servers in Real-time Applications <i>Seydou Ba, Akio Kawabata, Bijoy Chatterjee, Eiji Oki (Univ. of Electro-Communications, Japan)</i>
P1-9	Primary Reference Time Clocks Performance Monitoring Using GNSS Common-View Technique in Telecommunication Networks <i>Sammy Siu, Jia-Lun Wang, Wen-Hung Tseng, Chia-Shu Liao and Hsiu-Fang Hu (Chunghwa Telecom Labs., Taiwan)</i>
P1-10	An Integrated Security Testing Framework for Secure Software Development Life Cycle <i>Yuan-Hsin Tung, Sheng-Chen Lo, Jen-Feng Shih, Hung-Fu Lin (Chunghwa Telecom Labs., Taiwan)</i>
P1-11	The Monitoring System of Business Support System with Emergency Prediction Based on Machine Learning Approach <i>Jen Hao Chen, Chao Wen Huang, Chien-Wei Cheng (Chunghwa Telecom Labs., Taiwan)</i>
P1-12	Towards Task Scheduling in A Cloud-Fog Computing System <i>Qui Pham, Huh Eui-Nam (Kyung Hee Univ., Korea)</i>
P1-13	sFlow-Based Resource Utilization Monitoring in Clouds <i>Muhammad Afaq, Wangcheol Song (Jeju Nat'l Univ., Korea)</i>
P1-14	A SLA-based Spark Cluster Scaling Method in Cloud Environment <i>Yoori Oh, Jieun Choi, EunJung Song, MoonJI Kim, Yoonhee Kim (Sookmyung Women's Univ., Korea)</i>
P1-15	The Effect of Audiovisual Cross-Modality on QoE of Multi-View Video and Audio IP Transmission <i>Toshiro Nunome, Kazunori Sako (Nagoya Inst. of Tech., Japan)</i>
P1-16	A Crowdsourcing based Road Anomaly Classification System <i>Ru-Yu Wang, Yi-Ta Chuang, Yi Chih-Wei (Nat'l Chiao Tung Univ., Taiwan)</i>
P1-17	Development of QoE Initiated Wireless LAN Base Station with DPI Based QoS Control <i>Shiho Asano, Yoshihiro Ito (Nagoya Inst. of Tech., Japan)</i>

(Cont.)

P1-18	Congestion Field Detection for Service Quality Improvemnt Using Kernel Density Estimation <i>Yuki Shitara*</i> , <i>Tatsuya Yamazaki*</i> , <i>Takumi Miyoshi**</i> , <i>Kyoko Yamori***</i> (* <i>Niigata Univ., Japan</i> ; ** <i>Shibaura Inst. of Tech., Japan</i> ; *** <i>Asahi Univ., Japan</i> )
P1-19	Distributed Resource Allocation for Interference Management and QoS Guarantee in Underlay Cognitive Femtocell Networks <i>Tai Ho</i> , <i>Nguyen H. Tran</i> , <i>S. M. Ahsan Kazmi</i> , <i>Do Hyun Kim</i> , <i>Choong Seon Hong</i> ( <i>Kyung Hee Univ., Korea</i> )
P1-20	Policy-based Verification Method for Configurations of Large Network with Header-Space Analyses <i>Toshio Tonouchi</i> ( <i>NEC, Japan</i> )
P1-21	Improving Quality of Experience in P2P IPTV <i>Yaw-Chung Chen</i> ( <i>Nat'l Chiao Tung Univ., Taiwan</i> )
P1-22	A Optimized Solution of Application Layer Protocol Identification Based on Regular Expressions <i>Tian Chen</i> ( <i>China Academy of Information and Communications Tech., China</i> )
P1-23	Whitelist Representation for FTP Service in SCADA system by using Structured ACL Model <i>Woosuk Jung</i> , <i>Sung-Min Kim</i> , <i>Young-Hoon Goo</i> , <i>Myung-Sup Kim</i> ( <i>Korea Univ., Korea</i> )
P1-24	Mitigating DDoS Attacks towards Top Level Domain Name Service <i>Lanlan Pan</i> , <i>Xuebiao Yuchi</i> , <i>Yong Chen</i> ( <i>CNNIC, China</i> )
P1-25	Security Analysis of a NTRU-based Mutual Authentication Scheme <i>Raylin Tso</i> ( <i>Nat'l Chengchi Univ., Taiwan</i> )
P1-26	Power Modeling of Base Stations Based on Energy Storage Monitoring <i>Xie Chen*</i> , <i>Ao Xiong*</i> , <i>Peng Yu*</i> , <i>Mingxiong Wang**</i> , <i>Wenjing Li*</i> (* <i>Beijing Univ. of Posts and Telecomm., China</i> ; ** <i>Tibe Vocational Technical College, China</i> )
P1-27	Efficient Data Collection for Participatory Sensing using Smartphones <i>Hiro Onishi</i> , <i>Takuya Asaka</i> ( <i>Tokyo Metropolitan Univ., Japan</i> )
P1-28	A Multi-Applications Comprehensive Traffic Prediction Model for the Electric Power Data Network <i>Yu Zhou*</i> , <i>Ningzhe Xing**</i> , <i>Yutong Ji**</i> , <i>Wenjing Li*</i> , <i>Shaoyong Guo*</i> (* <i>Beijing Univ. of Posts and Telecomm., China</i> ; ** <i>State Grid Jibei Electric Power, China</i> )
P1-29	LM-BP based Operation Quality Assessment Method for OTN in Smart Grid <i>Manman Wu*</i> , <i>Shaoyong Guo*</i> , <i>Xingyu Chen*</i> , <i>Ningzhe Xing**</i> , <i>Cheng Zhong***</i> (* <i>Beijing Univ. of Posts and Telecomm., China</i> ; ** <i>State Grid Jibei Electric Power, China</i> ; *** <i>State Grid Hebei Electric Power, China</i> )
P1-30	RTagCare: Deep Human Activity Recognition Powered by Passive Computational RFID Sensors <i>Guibing Hu</i> , <i>Xuesong Qiu</i> , <i>Meng Luoming</i> ( <i>Beijing Univ. of Posts and Telecomm., China</i> )
P1-31	A Two-Layer Hierarchical Framework for Activity Sequence Recognition by Wearable Sensors <i>Chan Guo-Jing</i> , <i>Lin Dong-Hung</i> , <i>Yi Chih-Wei</i> , <i>Chien-Chao Tseng</i> ( <i>Nat'l Chiao Tung Univ., Taiwan</i> )
P1-32	An Efficient and Reliable Green Light Optimal Speed Advisory System for Autonomous Cars <i>VanDung Nguyen</i> , <i>Oanh Tran Thi Kim</i> , <i>Tri Nguyen Dang</i> , <i>Seungil Moon</i> , <i>Choong Seon Hong</i> ( <i>Kyung Hee Univ., Korea</i> )
P1-33	Volume and Irregularity Effects on Massively Multicore Packet Processors <i>Marat Zhanikeev</i> ( <i>Tokyo Univ. of Sci., Japan</i> )

## Poster Session 2

Date: Friday, October 7, 2016, 10:00 ~ 15:20, Room 2

Chair: Cheng-Hsin Hsu (Nat'l Tsing Hua Univ., Taiwan)

P2-1	Double Ended Spectrum Defragmentation on Software Defined Optical Networks <i>Tsan-Chang Kuo, Min-Chia Chang, Tai-Yuan Li, Ying-Tien Tsai (Chunghwa Telecom Labs., Taiwan)</i>
P2-2	A Proposal of SDN Based Mobility Management in Multiple Domain Networks <i>Misumi Hata, Satoru Izumi, Toru Abe, Takuo Suganuma (Tohoku Univ., Japan)</i>
P2-3	Resources Management in Virtualized Information Centric Wireless Network <i>Kyi Thar, Nguyen H. Tran, Jaehyeok Son, Choong Seon Hong (Kyung Hee Univ., Korea)</i>
P2-4	Scalable Aggregation-based Packet Forwarding in Content Centric Networking <i>Anselme Ndikumana, Saeed Ullah, Choong Seon Hong (Kyung Hee Univ., Korea)</i>
P2-5	A Shapley Value-Based Forwarding Strategy in Information-Centric Networking <i>Shi Chang, LanLan Rui, Haoqiu Huang, Xuesong Qiu, Guo Hui, Pan Zhang (Beijing Univ. of Posts and Telecomm., China)</i>
P2-6	Propose of The Dynamic Route Switching Method in Information-Centric Networking-based Wireless Sensor Network <i>Masafumi Koike, Osamu Mizuno (Kogakuin Univ., Japan)</i>
P2-7	Delivering Scalable Video Streaming in ICN Enabled Long Term Evolution Networks <i>Saeed Ullah, Kyi Thar, Md Golam Rabiul Alam, Jaehyeok Son, Jin Won Lee, Choong Seon Hong (Kyung Hee Univ., Korea)</i>
P2-8	Online Learning-based Clustering Approach for News Recommendation Systems <i>Minh Nguyen, Chuan Pham, Jaehyeok Son, Choong Seon Hong (Kyung Hee Univ., Korea)</i>
P2-9	Anonymity : An Efficient Anonymization Scheme Using Entropy in Smart Mediator for Mashup Service <i>DaEun Lee, YoungKi Kim, Choong Seon Hong (Kyung Hee Univ., Korea)</i>
P2-10	The Support Path with Time Constraint in Wireless <i>Lili Zhang, Chen Xiaoqiang, Jianxi Fan, Cheng-Kuan Lin (Soochow Univ., China)</i>
P2-11	A Novel Approach of Mobility Management For the D2D Communications in 5G Mobile Cellular Network System <i>Shouman Barua, Robin Braun (Univ. of Tech. Sydney, Australia)</i>
P2-12	Performance Analysis of Indoor-Outdoor Wireless Caching Relay System <i>Ying Li, Lei Feng, Yu Peng, Yang Yang, Wenjing Li (Beijing Univ. of Posts and Telecomm., China)</i>
P2-13	A Method for Reducing TCP Latency due to Consecutive Packet Losses in Mobile Networks <i>Yoshiaki Nishikawa, Kousuke Nogami, Eiji Takahashi (NEC, Japan)</i>
P2-14	Estimating Available Bandwidth in Mobile Networks by Correlation Coefficient <i>Yosuke Takano*, Ryoichi Mutoh*, Naoki Oguchi*, Shunji Abe** (*Fujitsu Labs., Japan; **Nat'l Inst. of Informatics, Japan)</i>
P2-15	Mobile Bandwidth Sharing: Pricing Analysis under Buffet Plans <i>Cheng-Ju Lin, Qin Wang, Che-An Lee, Yu-Lin Sheu, Min-Te Sun (Nat'l Central Univ., Taiwan)</i>
P2-16	An Experimental Study of Reliable Wireless Communications in Vehicles <i>Tadahide Kunitachi*, Kazuhiko Kinoshita**, Takashi Watanabe*** (*Yazaki, Japan; **Univ. of Tokushima, Japan; ***Osaka Univ., Japan)</i>
P2-17	User Matching Game in Virtualized 5G Cellular Networks <i>Tra Le, Nguyen H. Tran, Choong Seon Hong, Tuan Le (Kyung Hee Univ., Korea)</i>
P2-18	A Double-Auction Mechanism for Wireless Charging Networks <i>Tri Nguyen Dang, S. M. Ahsan Kazmi, Tai Ho, Nguyen H. Tran, Choong Seon Hong (Kyung Hee Univ., Korea)</i>
P2-19	A New Method to Evaluate Flow Classified One-to-all Reliability <i>Koki Kodama, Masahiro Hayashi (Tokyo City Univ., Japan)</i>
P2-20	DNS Recursive Server Health Evaluation Model <i>Keyu Lu*, Zhengmin Li**, Zhaoxin Zhang*, Jiantao Shi* (*Harbin Inst. of Tech., China; **CNCERT &amp; Chinese Academy of Sci., China)</i>



(Cont.)

P2-21	TOCA: A Tenant-Oriented Control Architecture for Multi-domain Cloud Networks <i>Jiawei Ye*</i> , <i>Huang Lu**</i> , <i>Kazuhiro Maeda**</i> (*Fudan Univ., China; **Hitachi, Japan)
P2-22	A Load Balancing Mechanism for multiple SDN Controllers based on Load Informing Strategy <i>Jinke Yu</i> , <i>Ying Wang</i> , <i>Keke Pei</i> , <i>Shujuan Zhang</i> , <i>Jiacong Li</i> (Beijing Univ. of Posts and Telecomm., China)
P2-23	A Converged Network Architecture for ICT and IoT Combined Applications <i>Chung-Shih Tang</i> , <i>Yi-Kai Chiang</i> , <i>Ying-Dian Tsou</i> , <i>Jen-Hong Ju</i> , <i>Chin-Ywu Twu</i> (Chunghwa Telecom Labs., Taiwan)
P2-24	Propose of the Dynamic Routing Methods using Available Bandwith and Degree for Congestion Avoidance <i>Yuuki Udagawa</i> , <i>Osamu Mizuno</i> (Kogakuin Univ., Japan)
P2-25	Bandwidth Distribution for Applicitons in Slicing Network Toward SDN on vCPE Framework <i>Nen-Fu Huang</i> , <i>Sheng-Jung Wu</i> , <i>I-Ju Liao</i> , <i>Che-Wei Lin</i> (Nat'l Tsing Hua Univ., Taiwan)
P2-26	Payload Signature Structure for Accurate Application Traffic Classification <i>Young-Hoon Goo</i> , <i>Kyu-Seok Shim</i> , <i>Su-Kang Lee</i> , <i>Myung-Sup Kim</i> (Korea Univ., Korea)
P2-27	Finding Realistic Shortest Path in Road Networks with Lane Changing and Turn Restriction <i>Oanh Tran Thi Kim</i> , <i>VanDung Nguyen</i> , <i>Seungil Moon</i> , <i>Choong Seon Hong</i> (Kyung Hee Univ., Vietnam)
P2-28	Routing discovery Mechanism based on Fault Tolerance in Container yard Environment <i>Shibo Xu*</i> , <i>Peng Ni*</i> , <i>WenSheng Cao*</i> , <i>Yang Yang**</i> , <i>Shaoyong Guo**</i> , <i>Wenjing Li**</i> (*China Waterborne Transport Research Inst., China; **Beijing Univ. of Posts and Telecomm., China)
P2-29	Application Performance Improvement with Application Aware DPN Switches <i>Shinnosuke Nirasawa*</i> , <i>Masaki Hara*</i> , <i>Masato Oguchi**</i> , <i>Shu Yamamoto***</i> , <i>Akihiro Nakao***</i> , <i>Saneyasu Yamaguchi*</i> (*Kogakuin Univ., Japan; **Ochanomizu Univ., Japan; ***Univ. of Tokyo, Japan)
P2-30	Improvement of WMNs Routing Method for the Purpose of Reduction of Control Communications <i>Shinya Yano</i> , <i>Kazunori Ueda</i> (Kochi Univ. of Tech., Japan)