

## Poster Session

Dec. 3 (Fri) 9:30-11:00

Session P4: Emerging Technologies for Communications IV		
P4-1	A FSK Wireless Transmitter in 22-nm CMOS for Biomedical Applications with On-Chip Photodiode	Yuma Hayashi (Nagoya University), Guowei Chen (Nagoya University), Kiichi Niitsu (Nagoya University)
P4-2	Improvement of Direction Estimation Accuracy in Blind Array Calibration for Near-	Tomoki Hayashi (Nagoya Institute of Technology), Nobuyoshi Kikuma (Nagoya
P4-3	High Impedance Dipole Antenna on a Metal Plate for mm-wave Wireless Power Transfer Systems	Koki Yamashiro (Kanazawa Institute of Technology), Yoshiki Takashima (Kanazawa Institute of Technology), Keisuke Noguchi (Kanazawa Institute of Technology)
P4-4	CRC-Aided Erasure Demodulation on Outputs of Sum-Product Decoding for Hamming Coded M-ary Chirp Spread Spectrum Signal	Masahiro Yata (Keio University/Japan Datacom Co., Ltd.), Yukitoshi Sanada (Keio University/Japan Datacom Co., Ltd.)
P4-5	Buffer analysis of a power saving scheme in cloud computing systems	Haixing Wu (Yanshan University), Shunfu Jin (Yanshan University), Wuyi Yue (Konan University)
P4-6	Spatial Resolution for Pre-Measurement in Wireless Sensor Networks for Event Detection	Tsuyoshi Kobayashi (Shinshu University), Taiki Suehiro (Shinshu University), Osamu Takyu (Shinshu University), Yasushi Fuwa (Shinshu University)
P4-7	Position Estimation with Radio Sensor in Physical Wireless Parameter Conversion Sensor Networks	Masafumi Oda (Shinshu University), Osamu Takyu (Shinshu University)
P4-8	Overfitting in four-layer-DNN-based nonlinear equalizer for optical fiber transmission systems	Jinya Nakamura (Meiji University), Moriya Nakamura (Meiji University)
P4-9	Source Code Release of Own Functional Blocks for GNU Radio Companion that Enables Phase Synchronization of USRP N200 / X300 devices	Yoji Yamada (National Institute of Technology, Ishikawa College), Tomoya Nakahama (Kanazawa University), Haruto Nakamura (National Institute of Technology, Ishikawa College)
P4-10	920MHz band stub loaded helix buried in the ground	Shuto Suzuki (Kyoto institute of technology), Hitoshi Shimasaki (Kyoto institute of technology)
P4-11	Computation offload strategy for mobile edge computing in dynamic environments	Zhaoyang Li (Tokyo Metropolitan University), Takashi Nishitsuji (Tokyo Metropolitan University), Takuya Asaka (Tokyo Metropolitan University)
P4-12	A Study of Routing Protocol using Scheduled Route Information in VANET	Koichiro Hashiura (Akita Prefectural University), Yamato Sakuraba (Akita Prefectural University), Yoshiyuki Kusakari (Akita Prefectural University)
P4-13	Data Communication Scheduling Considering Data Compression Performance in Distributed Deep Learning	Ryudai Fukuda (University of Fukui), Takuji Tachibana (University of Fukui)
P4-14	System Upgrade and Controller Placement for Availability Improvement Based on Optimization Problem in SDN Networks	Yukinao Hagi (University of Fukui), Yuhei Hayashi (NTT Corporation), Shohei Kamamura (Seikei University), Takuji Tachibana (University of Fukui)
P4-15	Spectrum Allocation Method Considering the Difference in Required Resources in Distributed Control SDM-EON	Sotaro Yokota (Kogakuin University), Ken-ichi Baba (Kogakuin University)
P4-16	A Study on the Separability of Aggregated Multilayer Networks	Rong Wang (Kwansei Gakuin University), Yuki Wakisaka (Kwansei Gakuin University), Ryotaro Matsuo (Kwansei Gakuin University), Hiroyuki Ohsaki (Kwansei Gakuin University)
P4-17	A Study on Content Delivery Delay in Information-Centric Delay/Disruption-Tolerant Networking	Hisashi Sagayama (Kwansei Gakuin University), Michika Ohnishi (Kwansei Gakuin University), Ryotaro Matsuo (Kwansei Gakuin University), Hiroyuki Ohsaki (Kwansei Gakuin University)
P4-18	Dependency of Audio and Video for Two Types of Online Dialogue Conference Services	Tatsuya Yamazaki (Niigata University), Shunta Sasaki (Niigata University), Takumi Miyoshi (Shibaura Institute of Technology)
P4-19	Development of Air-Ground VHF Data Communication Validation System	Akiko Kohmura (Electronic Navigation Research Institute), Kazuyuki Morioka (Electronic Navigation Research Institute), Naruto Yonemoto (Electronic Navigation Research Institute)
P4-20	Server-Side ABR Method Based on a Video Quality Assessment Model	Daiki Fukudome (NHK Science & Technology Research Laboratories), Hiroyuki Kitada (NTT), Masaaki Kurozumi (NHK Science & Technology Research Laboratories), Sayaka Nishide (NHK Science & Technology Research Laboratories), Satoshi Nishimura (NHK Science & Technology Research Laboratories), Takafumi Okuyama (NTT), Xiaotian Zhao (NTT), Masao Yamamoto (NHK Science & Technology Research Laboratories)
P4-22	AI-based Cache Replacement in Virtualized Environment	Taisei Miura (Kogakuin University), Kenichi Kourai (Kyushu Institute of Technology), Saneyasu Yamaguchi (Kogakuin University)
P4-23	A study of detecting avalanche buried person with millimeter-wave radar	Takeshi Toda (Nihon University), Shunsuke Sato (Nihon University), Yaokun Hu (Nihon University)