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), Kichi Nitsu (Nagoya University)

P4-2  Improvement of Direction Estimation Accuracy in Blind Array Calibration for Near-Field
Tomoki Hayashi (Nagoya Institute of Technology), Nobuyoshi Kikuma (Nagoya Institute of Technology)

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 Chip Spread Spectrum Signal
Masahiro Yata (Keio University/Japan Datascom Co., Ltd.), Yukitoshi Sanada (Keio University/Japan Datascom Co., Ltd.)

P4-5  Buffer analysis of a power saving scheme in cloud computing systems
Haixing Wu (Yangshan University), Shunfu Jin (Yangshan University), Woyi Yue (Kanazawa University)

P4-6  Spatial Resolution for Pre-Measurement in Wireless Sensor Networks for Event Detection
Tsuboshi Kobayashi (Shinshu University), Taku Suehiro (Shinshu University), Osamu Takyo (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 Takyo (Shinshu University)

P4-8  Overfitting in four-layer-DNN-based nonlinear equalizer for optical fiber transmission systems
Jinya Nakamura (Meiji University), Motya 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 Nishitsugi (Tokyo Metropolitan University), Takuya Asaka (Tokyo Metropolitan University)

P4-12  A Study of Routing Protocol using Scheduled Route Information in VANET
Koshiro Hashitara (Akita Prefectural University), Yamato Sakuraba (Akita Prefectural University), Yoshibi Kusakari (Akita Prefectural University)

P4-13  Data Communication Scheduling Considering Data Compression Performance in Distributed Deep Learning
Ryudai Fukuda (University of Fuku), Takuji Tachibana (University of Fuku)

P4-14  System Upgrade and Controller Placement for Availability Improvement Based on Optimization Problem in SDN Networks
Yukinao Hagi (University of Fuku), Yuhki Hayashi (NTT Corporation), Shouhei Kamamura (Seikei University), Takuji Tachibana (University of Fuku)

P4-15  Spectrum Allocation Method Considering the Difference in Required Resources in Service-Directed SDN-EON
Sotaro Yokota (Kogakuen University), Ken-ichi Baba (Kogakuen University)

P4-16  A Study on the Separability of Aggregated Multilayer Networks
Rong Wang (Kwansei Gakuin University), Yuki Wakisaka (Kwansei Gakuin University), Ryojaru Matsuo (Kwansei Gakuin University), Hiroyuki Ohsaki (Kwansei Gakuin University)

P4-17  A Study on Content Delivery Delay in Information-Centric Delay/Disruption-Tolerant Networking
Hiashii Sagayama (Kwansei Gakuin University), Michiaki Ohnishi (Kwansei Gakuin University), Ryojaru Matsuo (Kwansei Gakuin University), Hiroyuki Ohsaki (Kwansei Gakuin University)

P4-18  Dependency of Audio and Video for Two Types of Online Dialogue Conference Services
Yasukuni Yamazaki (Niigata University), Shunfa 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 Morikita (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 Okuno (National Institute of Technology, Ishikawa College), Xiaojian Zhao (NTT), Masao Yamamoto (NHK Science & Technology Research Laboratories)

P4-21  AI-based Cache Replacement in Virtualized Environment
Taisai Miura (Kogakuen University), Kenichi Kourai (Kyushu Institute of Technology), Saneyasu Yamaguchi (Kogakuen University)

P4-22  A study of detecting avalanche buried person with millimeter-wave radar
Takeshi Toda (Nihon University), Shunuske Sato (Nihon University), Yaokun Hu (Nihon University)