

Oral Session

Dec. 2 (Thu) 15:00-16:30

Session B3: Visible Light Communication/V2V		Chair: Nobuhiko Miki (Kagawa University)
B3-1	Adaptive thresholding with cell-size reduction for low-luminance, space-division-multiplexing, uplink optical camera communication	Aiisa Kawade (Meijo University), Wataru Chujo (Meijo University), Kentaro Kobayashi (Meijo University)
B3-2	Receivable Signal Sequence Number Increase by Spatially Parallel Signal Transmission in LED Visible Light Wireless Communications	Ryosuke Okamoto (Okayama University), Shigeru Tomisato (Okayama University), Satoshi Denno (Okayama University), Kazuhiro Uehara (Okayama University)
B3-3	Empirical CDF-Based Power Control Method for Obstructed V2V Communications	Keita Katagiri (The University of Electro-Communications), Koya Sato (The University of Electro-Communications), Takeo Fujii (The University of Electro-Communications)
B3-4	Estimation of the Number of Obstacles Based on p-value for V2V Communications	Keita Katagiri (The University of Electro-Communications), Koya Sato (The University of Electro-Communications), Takeo Fujii (The University of Electro-Communications)
B3-5	LED array acquisition in Road to Vehicle Visible Light Communication when receiver crosses transmitter	Kento Nakamura (Nagoya University), Takaya Yamazato (Nagoya University), Masayuki Kinoshita (Chiba Institute of Technology), Koji Kamakura (Chiba Institute of Technology), Shintaro Arai (Okayama University of Science), Tomohiro Yendo (Nagaoka University of Technology), Toshiaki Fujii (Nagoya University)

Session C2: ICN and Performance Control		Chair: Yusuke Hirota (NICT)
C2-1	Cloud-based Load Distribution Model in Information-Centric Networking Wireless Sensor Networks	Eishin Nagaoka (Kogakuin University), Masaki Yoshii (Kogakuin University), Ryohei Banno (Kogakuin University), Osamu Mizuno (Kogakuin University)
C2-2	Impact of remote memory and network performance on execution performance of disaggregated micro data centers	Akishige Ikoma (Osaka University), Yuichi Ohsita (Osaka University), Masayuki Murata (Osaka University)
C2-3	Packet-by-packet priority control for few microseconds order jitter application	Yutaka Nasu (Keio University), Takashi Kurimoto (Keio University), Satoru Okamoto (Keio University), Naoaki Yamanaka (Keio University)
C2-4	Fair Adaptive Video Streaming in MPEG-DASH Based on Feedback Control and AIMD Algorithm	Kaito Nakata (Keio University), Ryuta Sakamoto (Keio University), Ryogo Kubo (Keio University)

Session D3: Sensing II		Chair: Masayoshi Ohashi (Fukuoka University)
D3-1	Correlation between Beat-to-Beat Blood Pressure and RRI estimated from Non-contact CW Doppler Radar	Rikuto Yoshizawa (Keio University), Kohei Yamamoto (Keio University), Tomoaki Ohtsuki (Keio University)
D3-2	A maximum flow evaluation method of microgrids comprised of ultra-small microgrid components	Takumi Wada (Kanagawa Institute of Technology University), Yoshito Tobe (Aoyama Gakuin University), Shinji Yokogawa (The University of Electro-Communications, iPERC), Haruhisa Ichikawa (The University of Electro-Communications, iPERC), Yuushuke Kawakita (Kanagawa Institute of Technology University)
D3-3	A Study of Frequency Selection Criteria for Discrete Wavelet Transform Without ECG-Data Reference in Heart Rate Estimation Using mm-Wave Radar	Shunsuke Sato (Nihon University), Ryosuke Koyanaka (Nihon University), Yaokun Hu (Nihon University), Takeshi Toda (Nihon University)
D3-4	Evaluation of a noncontact bedsores detection system using various simplified skin models	Yusuke Asano (Chiba University), Hiroki Kobayashi (Chiba University), Masaharu Takahashi (Chiba University)
D3-5	Dementia Detection Using Two Perplexity Methods with Part-of-Speech Tags	Chuheng Zheng (Keio University), Mondher Bouazzzi (Keio University), Tomoaki Ohtsuki (Keio University)

Dec. 3 (Fri) 9:00-10:30

Session B4: Wireless Network Technique		Chair: Eisuke Hanada (Saga University)
B4-1	Step Switching based on Number of Successful Access Nodes in Three Stage Data Gathering for Event Detection	Taiki Suehiro (Shinshu University), Tsuyoshi Kobayashi (Shinshu University), Osamu Takyu (Shinshu University), Yasushi Fuwa (Shinshu University)
B4-2	Faster Channel Allocation Control by Relaxing DCRO Control in Synchronous Streaming Protocols	Yuki Takazawa (Kanagawa Institute of Technology), Toma Kamata (Kanagawa Institute of Technology), Haruhisa Ichikawa (Keio Research Institute at SFC), Hiroshi Tanaka (Kanagawa Institute of Technology), Jin Mitsugi (Keio Research Institute at SFC), Yuusuke Kawakita (Kanagawa Institute of Technology)
B4-3	Network management for multi-layer satellite network as non-terrestrial network	Munehiro Matsui (NTT Corporation), Hisayoshi Kano (NTT Corporation), Junichi Abe (NTT Corporation), Kiyohiko Itokawa (NTT Corporation), Fumihiko Yamashita (NTT Corporation)
B4-4	Small-scale Demonstration of Remote Control Employing Local 5G System	Issei Makino (Kagawa University), Junji Terai (STNet, Inc.), Nobuhiko Miki (Kagawa University)
B4-5	Electromagnetic Wave Pattern Detection with Multiple Sensors in the Manufacturing Field	Ayano Ohnishi (Advanced Telecommunications Research Institute International (ATR)), Michio Miyamoto (Advanced Telecommunications Research Institute International (ATR)), Yoshio Takeuchi (Advanced Telecommunications Research Institute International (ATR)), Toshiyuki Maeyama (Takusyoku University), Akio Hasegawa (Advanced Telecommunications Research Institute International (ATR)), Hiroyuki Yokoyama (Advanced Telecommunications Research Institute International (ATR))

Session C3: Router, Routing and Protocol		Chair: Nattapong Kitsuvan (The University of Electro-Communications)
C3-1	Optimization of traffic path assignment with reliability constraints	Kouta Ueno (Tokyo City University), Ryouya Takeuchi (Tokyo City University), Masahiro Hayashi (Tokyo City University)
C3-2	Multi-Path-based Routing Method Applicable to Networks Consisting of Devices with High Failure Rates	Taichi Okumura (Keio University), Masaki Murakami (Keio University), Yoshihiko Uematsu (Keio University), Satoru Okamoto (Keio University), Naoaki Yamanaka (Keio University)
C3-3	Performance Degradation Problem of Conventional TCP in Bufferless Optical Packet Switching Networks	Yuusuke Hashimoto (Osaka Prefecture University), Yosuke Tanigawa (Osaka Prefecture University), Yusuke Hirota (National Institute of Information and Communications Technology), Hideki Tode (Osaka Prefecture University)
C3-4	Designing a metabolic edge router for a metabolic network	Yu Tamura (Tokai University), Rei Ishioka (Tokai University), Junichi Murayama (Tokai University)
C3-5	A router metabolizing scheme using heterogeneous virtual routers	Rei Ishioka (Tokai University), Yu Tamura (Tokai University), Junichi Murayama (Tokai University)

Session D4: NW and Wireless		Chair: Shintaro Uno (Aichi University of Technology)
D4-1	Time-Delay Compensation Using Communication Disturbance Observer in Adaptive Bitrate Control for MPEG-DASH	Koji Ochi (Keio University), Ryuta Sakamoto (Keio University), Ryogo Kubo (Keio University)
D4-2	A Study of Digital Twin and Its Communication Protocol in Factory Automation Cell	Chanun Asavasirikulkij (Chulalongkorn University), Chayut Mathong (Chulalongkorn University), Theeramet Sinthumongkolchai (Chulalongkorn University), Ratchatin Chancharoen (Chulalongkorn University), Widhyakorn Asdornwiset (Chulalongkorn University)
D4-3	Cognitive-effect-based bit rate control to improve quality of experience for video streaming	Sayaka Nishide (Japan Broadcasting Corporation), Daichi Kominami (Osaka University), Satoshi Nishimura (Japan Broadcasting Corporation), Tatsuya Otoshi (Osaka University), Masaaki Kurozumi (Japan Broadcasting Corporation), Daiki Fukudome (Japan Broadcasting Corporation), Masao Yamamoto (Japan Broadcasting Corporation), Masayuki Murata (Osaka University)
D4-4	Development and field operation experiments of a RESTful water level measurement system for remote control of sluice gates along the Onga river	Koki Ozono (Fukuoka University), Shintaro Mori (Fukuoka University), Masayoshi Ohashi (Fukuoka University)
D4-5	Deep Reinforcement Learning for the Optimization of Autonomous 5G Base Station System	Tadashi Kozuno (University of Alberta), Daisuke Hisano (Osaka University), Yu Nakayama (Tokyo University of Agriculture and Technology), Kazuki Maruta (Tokyo Institute of Technology)