INVITE SPECIAL SESSIONS, INVITE SESSIONS, ORAL SESSIONS, AND POSTER SESSIONS

Oral 1: Optical Communications and Networking 1
Nov. 29 (Wed) 13:00-14:40, Room 1040 (10F), Chair: Takeo Fujii (The University of Electro-Communications)

Invited Talk 1: Circular Light-trail Signals Detection using Rotation Coordinates Transform for LED-based Image Sensor Communication
Kenji Tokumaru, Tomoaki Takenaka, Takeshi Kikuma, Shintaro Arai (Okayama University of Advanced Technology)

Invited Talk 2: A Study on the Rain Attenuation Characteristics using Multiple Ku-band Satellite Links
Shin-Ichi Nakajima (Kyushu University), Takeshi Kakizaki (NTT), Hiroshi Yamamoto (Ritsumeikan University)

Invited Talk 3: Development of Electrically Insulated Antenna System Using Optical Fiber for Lightning Protection of Radio Equipment
Kensuke Ikedo (Central Research Institute of Electric Power Industry)

Invited Talk 4: Fast Polarization Conversion Method for Distributed-Aperture Optical Switches with Sub-Nanosecond Response Time
Hiroyoshi Yamada (Niigata University)

Invited Talk 5: Development of a Method for the Secure Design of Optical Fiber Interconnection System
Takashi Hikage (Hokkaido University)

Invited Talk 6: Digital Self-Interference Cancellation Considering Amplifier Nonlinearity and Measurability for In-Band Full-Duplex Radars
Yuichi Miyaji (Aichi Institute of Technology)

Invited Talk 7: Recent Progress in Array Signal Processing for Millimeter-wave Imaging Radar
Ryo Hirose (Seikei University), Shintaro Arai (Okayama University of Advanced Technology), Takeshi Kakizaki (NTT)

Invited Talk 8: Recent Progress of Multi-Band Optical Networking Technologies toward Realizing IOWN All-Photonics Networks
Fumihiro Yamashita (NTT Access Network System Laboratories)

Shigeo Hasegawa (Kanazawa University), Yoshiya Kasahara (Kanazawa University), Atsushi Nakamura and Yusuke Koshikiya (NTT)

Invited Talk 10: Decoding Complexity Reduction of Forward Error Correction by Channel-polarized Evolution and Future Prospects of Graph Generation Models
Yusuke Kusama, Kazuma Kabasawa (Toyo University)

Invited Talk 11: Optical Converter for EMI Assessment of Active Implantable Medical Devices
Takayuki Matsuura (Kanazawa Institute of Technology)

Invited Talk 12: Recent Progress of Multi-Band Optical Networking Technologies toward Realizing IOWN All-Photonics Network
Takeshi Kakizaki (NTT)

Kiyoshi Hayashi (Waseda University)

Kiyoshi Hayashi (Waseda University)

Invited Talk 15: Evolution and Future Perspectives of Graph Generation Models
Atsushi Matsuoka (Nagoya University), Masami Kato (Nagoya University)

Invited Talk 16: Wireless Link Quality Prediction using Spatial Information
Takashi Kuroki, Katsuhiko Takayoshi, Hiroyuki Noguchi (NTT)

Invited Talk 17: Amplified-Spontaneous-emission Nonlinear Circuit Technique with Improved Optical Power Resolution
Kazutoshi Kusakari, Hiroshi Noguchi (NTT), Takeshi Kikuma, Shintaro Arai (Okayama University of Advanced Technology)

Invited Talk 18: Development of High-Accurate Vegetation Loss Model with Seasonal Characteristics for High-Altitude Platform Station
Yasuyuki Maekawa (Osaka Electro-Communication University), Koichi Harada (NTT Access Network System Laboratories)

Kiyoshi Hayashi (Waseda University)

Invited Talk 20: Hybrid Interference Mitigation for Automotive Intraveneous Radios: From Algorithm-based to Learning-based Methods
Kiyoshi Hayashi (Waseda University)

Invited Talk 21: Evaluation of BCDM-based bandwidth allocation for predictable traffic
Ran Fukagawa (Kanazawa Institute of Technology), Tetsuya Yonemori (Kanazawa Institute of Technology), Yuta Tashihana (Kanazawa Institute of Technology), Hiroshi Mineno (The Graduate School of Science and Technology, Shizuoka University), Seji Kozaki (The Graduate School of Science and Technology, Shizuoka University, Mitsubishi Electric Corporation), Takeshi Suenoh (Mitsubishi Electric Corporation), Kenichi Nakura (Mitsubishi Electric Corporation), Satoshi Shiraishi (Mitsubishi Electric Corporation)

Invited Talk 22: Digital Self-Interference Cancellation Considering Amplifier Nonlinearity and Measurability for In-Band Full-Duplex Radars
Yuichi Miyaji (Aichi Institute of Technology)

Kazumasa Nakawae (Daika Electro-Communication University), Koichiro Harada (NTT Access Network System Laboratories), Junichi Abe (NTT Access Network System Laboratories), Toshihiro Yamashita (NTT Access Network System Laboratories)

Kensuke Ikedo (Central Research Institute of Electric Power Industry)

Invited Talk 25: Fast Polarization Conversion Method for Distributed-Aperture Optical Switches with Sub-Nanosecond Response Time
Hiroyoshi Yamada (Niigata University)

Invited Talk 26: Development of Electrically Insulated Antenna System Using Optical Fiber for Lightning Protection of Radio Equipment
Kensuke Ikedo (Central Research Institute of Electric Power Industry)

Invited Talk 27: A Study on the Rain Attenuation Characteristics using Multiple Ku-band Satellite Links
Kazumasa Nakawae (Daika Electro-Communication University), Koichiro Harada (NTT Access Network System Laboratories), Junichi Abe (NTT Access Network System Laboratories), Toshihiro Yamashita (NTT Access Network System Laboratories)

Kiyoshi Hayashi (Waseda University)

Invited Talk 29: Development of Electrically Insulated Antenna System Using Optical Fiber for Lightning Protection of Radio Equipment
Kensuke Ikedo (Central Research Institute of Electric Power Industry)

Invited Talk 30: Fast Polarization Conversion Method for Distributed-Aperture Optical Switches with Sub-Nanosecond Response Time
Hiroyoshi Yamada (Niigata University)

Invited Talk 31: A Study on the Rain Attenuation Characteristics using Multiple Ku-band Satellite Links
Kazumasa Nakawae (Daika Electro-Communication University), Koichiro Harada (NTT Access Network System Laboratories), Junichi Abe (NTT Access Network System Laboratories), Toshihiro Yamashita (NTT Access Network System Laboratories)

Invited Talk 32: Development of Electrically Insulated Antenna System Using Optical Fiber for Lightning Protection of Radio Equipment
Kensuke Ikedo (Central Research Institute of Electric Power Industry)

Invited Talk 33: Fast Polarization Conversion Method for Distributed-Aperture Optical Switches with Sub-Nanosecond Response Time
Hiroyoshi Yamada (Niigata University)

Invited Talk 34: A Study on the Rain Attenuation Characteristics using Multiple Ku-band Satellite Links
Kazumasa Nakawae (Daika Electro-Communication University), Koichiro Harada (NTT Access Network System Laboratories), Junichi Abe (NTT Access Network System Laboratories), Toshihiro Yamashita (NTT Access Network System Laboratories)

Invited Talk 35: Development of Electrically Insulated Antenna System Using Optical Fiber for Lightning Protection of Radio Equipment
Kensuke Ikedo (Central Research Institute of Electric Power Industry)

Invited Talk 36: Fast Polarization Conversion Method for Distributed-Aperture Optical Switches with Sub-Nanosecond Response Time
Hiroyoshi Yamada (Niigata University)

Invited Talk 37: A Study on the Rain Attenuation Characteristics using Multiple Ku-band Satellite Links
Kazumasa Nakawae (Daika Electro-Communication University), Koichiro Harada (NTT Access Network System Laboratories), Junichi Abe (NTT Access Network System Laboratories), Toshihiro Yamashita (NTT Access Network System Laboratories)

Invited Talk 38: Development of Electrically Insulated Antenna System Using Optical Fiber for Lightning Protection of Radio Equipment
Kensuke Ikedo (Central Research Institute of Electric Power Industry)

Invited Talk 39: Fast Polarization Conversion Method for Distributed-Aperture Optical Switches with Sub-Nanosecond Response Time
Hiroyoshi Yamada (Niigata University)

Invited Talk 40: A Study on the Rain Attenuation Characteristics using Multiple Ku-band Satellite Links
Kazumasa Nakawae (Daika Electro-Communication University), Koichiro Harada (NTT Access Network System Laboratories), Junichi Abe (NTT Access Network System Laboratories), Toshihiro Yamashita (NTT Access Network System Laboratories)

Invited Talk 41: Development of Electrically Insulated Antenna System Using Optical Fiber for Lightning Protection of Radio Equipment
Kensuke Ikedo (Central Research Institute of Electric Power Industry)

Invited Talk 42: Fast Polarization Conversion Method for Distributed-Aperture Optical Switches with Sub-Nanosecond Response Time
Hiroyoshi Yamada (Niigata University)

Invited Talk 43: A Study on the Rain Attenuation Characteristics using Multiple Ku-band Satellite Links
Kazumasa Nakawae (Daika Electro-Communication University), Koichiro Harada (NTT Access Network System Laboratories), Junichi Abe (NTT Access Network System Laboratories), Toshihiro Yamashita (NTT Access Network System Laboratories)

Invited Talk 44: Development of Electrically Insulated Antenna System Using Optical Fiber for Lightning Protection of Radio Equipment
Kensuke Ikedo (Central Research Institute of Electric Power Industry)

Invited Talk 45: Fast Polarization Conversion Method for Distributed-Aperture Optical Switches with Sub-Nanosecond Response Time
Hiroyoshi Yamada (Niigata University)

Invited Talk 46: A Study on the Rain Attenuation Characteristics using Multiple Ku-band Satellite Links
Kazumasa Nakawae (Daika Electro-Communication University), Koichiro Harada (NTT Access Network System Laboratories), Junichi Abe (NTT Access Network System Laboratories), Toshihiro Yamashita (NTT Access Network System Laboratories)

Invited Talk 47: Development of Electrically Insulated Antenna System Using Optical Fiber for Lightning Protection of Radio Equipment
Kensuke Ikedo (Central Research Institute of Electric Power Industry)

Invited Talk 48: Fast Polarization Conversion Method for Distributed-Aperture Optical Switches with Sub-Nanosecond Response Time
Hiroyoshi Yamada (Niigata University)

Invited Talk 49: A Study on the Rain Attenuation Characteristics using Multiple Ku-band Satellite Links
Kazumasa Nakawae (Daika Electro-Communication University), Koichiro Harada (NTT Access Network System Laboratories), Junichi Abe (NTT Access Network System Laboratories), Toshihiro Y
Oral 5: Security Technologies

Dec. 1 (Fri) 9:50-10:50, Room 1060 (10F), Chair: Kiyohito Yoshihara (KDDI R&D Research)

O5-1: Multiplexing in Indoor Office Environments: Correlation RTT using RSSI for Wireless LAN location estimation
Takashi Tatebe, Yusuke Sakumoto, Takanori Hara, Shoji Kasahara (Nara Institute of Science and Technology)

O5-2: Sensing with Multi-chirp FMCW Radar for Seated Human
Yaokun Hu, Kohei Shiomoto (Tokyo City University)

O5-3: An Effect of Phase Accumulation Number Optimization for Remote Heart Rate
Tatsunori Saito (Nihon University), Yaokun Hu (Nihon University), Takeshi Toda (Nihon University), Toshihito Fujiwara (NTT Corporation), Satoshi Narikawa (NTT Corporation).

To be Announced

O5-4: A 2-Dimensional Smoothing Technique in Non-stationary Environments
Jumpei Hayakawa, Atsushi Nakamura, Masaki Nakamori, Yusuke Koshikiya (NTT Access Network Service Systems Laboratories)

O5-5: Experiments of node’s automatic participation and collaboration with external services on Atteo (Access-Metro Edge Computing)
Takashi Tatebe, Yusuke Sakumoto, Takanori Hara, Shoji Kasahara (Nara Institute of Science and Technology)

O5-6: A Novel Hybrid Algorithm for Indoor Positioning using Visible Light Communication
Jumpei Hayakawa, Atsushi Nakamura, Masaki Nakamori, Yusuke Koshikiya (NTT Access Network Service Systems Laboratories)

O5-7: A Repeated Stochastic Game Approach for Offload Mining in Distributed Applications in a Permanent Broadcasting Network
Jumpei Hayakawa, Atsushi Nakamura, Masaki Nakamori, Yusuke Koshikiya (NTT Access Network Service Systems Laboratories)
P1-34  A Design of Quasi-Millimeter Wave Band S-band Antenna with Double- Slot Feeding Circuit and Leaf-Shaped Bowtie Slot Element
Yoshiaki Orie (Graduate School of Information Science and Technology, Hokkaido University), Takaaki Hikage (Graduate School of Information Science and Technology, Hokkaido University), Manato Yamamoto (Graduate School of Information Science and Technology, Hokkaido University), Shuki Wai (NIT Access Network Service Systems Laboratories, NTT Corporation), Naoko Kita (NIT Access Network Service Systems Laboratories, NTT Corporation)

P1-25  Tripling of intermediate frequency in electro-optic imaging using a modified equivalent time sampling method
Kiyotaka Sasegawa (Nara Institute of Science and Technology), Kazuma Shida (Nara Institute of Science and Technology), Yoshito Araki (Nara Institute of Science and Technology), Maya Mitono (National Institute of Information and Communications Technology), Nakoto Harada (Nara Institute of Science and Technology), Hiroki Takeda (Nara Institute of Science and Technology), Hiroki Tashiro (Nara Institute of Science and Technology), and Jun Oka (Nara Institute of Science and Technology)

P1-26  Experimental Evaluation of Adaptive Mixture Live Streaming over Information-Centric Networking
Yoshiko Hayamizu (NICT), Masashi Sasaki (Sophia University), Manabu Yamamoto (Kamai University)

P1-27  Microwave metamaterial EH wave absorber using circular metallic pattern periodic array structure
Yuma Takada (Graduate School of Engineering of University of Yogyo), Shinshiro Yamamoto (Graduate School of Engineering of University of Yogyo), Satomi Akase (Graduate School of Engineering of University of Yogyo), Tomohiro Kasaig (Sanko-Okaya City University)

P1-28  Study on evaluation of near magnetic field leaking from the opening surface of metal enclosure
Takuya Sakaguchi, Shiroshiro Yamamoto, Satoru Akase (Graduate School of Engineering of University of Yogyo)

P1-29  RF wave absorber for 28 Gb/s wire without metal backing
Yuki Hirose (Graduate School of Engineering of University of Yogyo), Shinshiro Yamamoto (Graduate School of Engineering of University of Yogyo), Mormon Shih (Osaka Research Institute of Industrial Science and Technology), Shinnosuke Kagawa (Osaka Research Institute of Industrial Science and Technology), Hisashi Iwagaki (Keeper Corporation, Co.,Ltd.), Hiroshi Igarashi (Keeper Corporation, Co.,Ltd.)

P1-30  User Fairness Power Allocation in OFDMA-based Wireless Power Communication Network
Kana Hiraoka, Tereku Miyazaki (Ibaraki University)

P1-31  Transceiver Design in OFDMA-based Distributed Wireless Power Communication Networks
Takahiro Shinya, Tereku Miyazaki (Ibaraki University)

P1-32  A fingerprint localization scheme using data augmentation
Takuya Takeda, Ryuji Hayamizu, Daouo Takao (Shinshu university)

P1-33  A new bubbleing delay aware energy efficient low latency broadcast transmission scheme
Takuma Endo (Yokohama University), Sakuhaina-Muhammad Salim Zain (National Institute of Technology, Tsarsuka College), Saohito Ukimoto (Yokohama University)

P1-34  Approach to authentication / authorization for BV changing control
Takashi Makatomi, Horiyoshi Shimizu, Katsuo Hiroshima (Panasonic Corporation)

Poster Session 2
Date: Apr. 30 (Thur) 16:30-18:00, Exhibition Hall 3 (PH)

P2-1  A Multi-Stage Solution for Some Text Detection and Recognition
Dian-Mei Yang, Ning-Wen Lan, Jinhong He (National Center for High-Performance Computing, National Applied Research Laboratories)

P2-2  Modeling the Shadowing Gain from Obstacle in Wireless Channel Simulator with Built-in Band Correction Technique
Yoshinori Kineren,-edan, Jun-ichi Takeheda (Tokyo Institute of Technology)

P2-3  Improving TDoA Estimation of Radio Wave in Multi-Path Environments Using RF Calibration Method with Compassed Spsing
Masanori Sakakihara, Kenji Kashida, Nobuyoshi Kitamura, Kenji Sakakihara, Yoshito Sugimoto (Nagoya Institute of Technology)

P2-4  Optimization of User Clustering for Non-Orthogonal Multiple Access with Millimeter-wave Storied ODD in Microwave Cellular Systems
Masahiro Misumi, Daouo Takao (Shinshu university)

P2-5  Interference Pattern Effect on Block Beamforming Algorithms in Multi-user MIMO Communications
Tatsu Ue, Nobuyoshi Kikuma, Kuni Sakakihara, Yoshito Sugimoto (Nagoya Institute of Technology)

P2-6  Channel Efficiency Improvement by Adaptive Bandwidth and Transmit Power Control in Multi-Band Wireless Systems
Takao Mino, Shigeki Tomita, Kunihiro Ishida (Okayama University)

P2-7  Construction of real-time visualized localization system in 2D indoor environment using Zigbee wireless module
Kyo'wa Terada, Shunrui Sato, Eiiku Kadoh (Tsuchi Institute of Technology)

P2-8  Investigation of Positioning Methods for Implementation of Environment-Aware Wireless Sensor Networks on 433MHz LoRa/FSK
Keita Takeheda, Kuy Hayamizu, Daouo Takao (Shinshu university)

P2-9  Keyword-Based Searchable Encryption using Threshold Secret Sharing
Amit Alim Amninudin Mohd. Kame, Mawamune Ukado, Mawaya Fujisawa (Tokyo University of Science)

P2-10  Last-Effective and Secure Information Sharing System with Access Control for UAV-Based Drone Networks
Tani Karihara, Mawaya Fujisawa, Ahmad Alim Amninudin Mohd. Kame (Tokyo University of Science)

P2-11  A Study of Reused Antenna Branch Selection Diversity Effect for Remote Mac Control based on MM-Wave SIMO Radar
Yoshiaki Oka, Yoskun Takei, Takahashi Toda (Wuhan University)

P2-12  Portable Parcels Delivery System Using Blockchain Network
Yasuko Kan, Katsuya Arai, Ahmad Alim Amninudin Mohd. Kame, Mawaya Fujisawa (Tokyo University of Science)

P2-13  Evaluation of Antenna Beam Search Algorithm with Slope Condition in Frequency Tracking
Zukou Kawamura (Shinshu University), Kohno Akimoto (Akitia Prefectural University), Daouo Takao (Shinshu University)

P2-14  Evaluation of factors to reduce visual capitation load for drivers in VR-CAR
Takashi Shi (Tokyo Metropolitan University), Ryoko Kato (Osaka Prefectural University), Shinnosuke Kawahara (Tokyo Metropolitan University), Masato Nakamura (Tokyo Metropolitan University)

P2-15  A consideration of Initial Value Estimation of Localization of Near-field Sources for MUSIC Method in Distributed Array
Takao Takeo, Nobuyoshi Kikuma, Kuni Sakakihara, Yoshito Sugimoto (Nagoya Institute of Technology)

P2-16  Power-saving performance evaluation of the adaptive Deep Sleep enabled PON based on applications and PON management system linkage operation
Takahiro Ishihara, Takashi Kurokado, Satoru Okamoto, Yamana Nakai (Keio University)

P2-17  DOA estimation by VESPA Algorithm Using SLS Method
Kenta Nada, Nobuyoshi Kikuma, Kuni Sakakihara, Yoshito Sugimoto (Nagoya Institute of Technology)

P2-18  DOA Estimation of Direct Wave in Multipath Environments Using PPT-POULSS with Adaptive Change of Angle Bin Spacing
Takuya Oka, Nobuyoshi Kikuma, Kuni Sakakihara, Yoshito Sugimoto (Nagoya Institute of Technology)

P2-19  A Fundamental Discussion on Efficient Reliable Multicast Protocol in Hierarchical Non-Terrestrial Communication
Ering Zhao (Osaka University), Nakato Kobayashi (Hiroshima City University), Takuya Fujishita (Osaka University), Md. ABDL Alim (Shinshu University), Stanisic Sasa (Osaka University), Masahiro Niho (Hiroshima City University), Takashi Watanabe (Osaka University), Shinya Sekita (Osaka University), Takashi Fujishita (Osaka University), Takanori Aoki (NICT)

P2-20  Considerations on IRS Control Based on Beamforming for Sub-Terahertz-Band Communications
Takahiro Takahara (Hokkaido University), Yasuhiro Shihada (Hokkaido University), Takahiro Fujishita (Hokkaido University), Takanori Aoki (NICT), Hitoshi Masuda (Kurume University), Takuya Saitoh and (Kurume University), Shunsuke Saka (Hokkaido University), and Takanori Aoki (NICT)

P2-21  Novel Exposure Setup Using Spatial Synthesis Antennas for Investigation of Thermal Physiology and Cellular Function Changes Induced by Highly Localized Millimeter-Wave Exposure
Katsu Sugiura (Hokkaido University), Takashi Hikage (Hokkaido University), Hitoshi Masuda (Kurume University), Takuya Saitoh (Kurume University), and Kun Li (The University of Electro-communications), Aiko Nagai (Aki Kawai University)

P2-22  DOA Estimation Performance of Desired Waves Using MUSIC Algorithm with Multiple-Cyclic Correlates
Takuya Teshima, Nobuyoshi Kikuma, Kuni Sakakihara, Yoshito Sugimoto (Nagoya Institute of Technology)

P2-23  Numerical Evaluation of Averaging Ratio of Local Specific Absorption Rate Enhancement in Human Tissue with Implanted Metal Plates Exposed to Radio Frequency Waves in the Cellular Frequency Band
Shohei Waki (Hokkaido University), Pune Tsumura (Hokkaido University), Takashi Hikage (Hokkaido University), Tomoki Nagaoka (NICT)

P2-24  Field structure coupling from the top of the THz and THz mode annular ring with antennas
Aki Sugawara, Keizo Cho (Chiba Institute of Technology)

P2-25  Numerical Evaluation of Specific Absorption Rate for Vertical Exposure using Anatomical Phantom Models Across Different Ages and Genders
Mrini Kapikheki, Takashi Hikage, Manabu Yamamoto (Hokkaido University)

Sakura Tsuura, Katsuyuki Sugimura, Takashi Hikage, Manabu Ono, Keiyo Yamazaki, Atsuko Ikeda-Arai, Chihro Miyahita, Naomi Tamura, Reiko Kohi (Hokkaido University)
P3-30  Motion artifact removal in 4-D interval estimation of EEG signal for wearable biomedical sensors using adaptive filter and high pass filter
Yoshi Nishimura, Revu Kikuma, Kunio Sakakibara, and Yoshiki Sugimoto
Nagoya Institute of Technology

P3-31  Proposal of Transmission Frequency Switching Method Based on Correlation with Seeing in LPIWA
Yuka Koike, Osamu Takay (Shinshu University)

P3-32  Compensation of Communication Latency using Video Prediction in Remote Monitoring Systems
Toshiro Sato (Waseda University), Yukiyo Katayama (Waseda University), Zeng Wen (Waseda University), Xin Qi (Waseda University), Kazuhiko Tamesue (Waseda University), Wataru Kameyame (Waseda University), Yujiro Nakamura (Kyoto University), and Jin Katoh (Waseda University), Takum Sato (Waseda University)

P3-33  Measurement for the SAR Probe Gain Response against TDD Modulated Signal for Probe Calibration at the frequency of 3.7 GHz
Yuto Shimojo, Toshiko Nakamura (National Institute of Information and Communications Technology)

P3-34  Preliminary Study of the Importance of Small Eigenvalues through Matrix Approximation without Rank Restriction
Erico Segawa, Yusuke Sakumoto (Kwansei Gakuin University)

Poster Session 3
Invited: 17:20-17:40, Exhibition Hall (1F)
P3-1  Receiver Efficient Time and Route Planning for a Full-Half-CoUded Shared-Rectangular
Kyoui Hirokawa, Tako Beata, Takumi Oakita, Nozuri Umezawa, Takayuki Asaka (Tokyo Metropolitan University)

P3-2  Non-Linear Distortion Compensation for LBO Visible Light Wireless Communications with Compressed DC-OPDQ Signals
Takumi Nakayama, Shigeru Tatsuo, Satoshi Demai, Kazuhiro Uehara (Okayama University)

P3-3  Motion artifact removal in 4-D interval estimation of EEG signal for wearable biomedical sensors using adaptive filter and high pass filter
Yoshi Nishimura, Revu Kikuma, Kunio Sakakibara, and Yoshiki Sugimoto
Nagoya Institute of Technology

P3-4  Proposal of Transmission Frequency Switching Method Based on Correlation with Seeing in LPIWA
Yuka Koike, Osamu Takay (Shinshu University)

P3-5  Compensation of Communication Latency using Video Prediction in Remote Monitoring Systems
Toshiro Sato (Waseda University), Yukiyo Katayama (Waseda University), Zeng Wen (Waseda University), Xin Qi (Waseda University), Kazuhiko Tamesue (Waseda University), Wataru Kameyame (Waseda University), Yujiro Nakamura (Kyoto University), and Jin Katoh (Waseda University), Takum Sato (Waseda University)

P3-6  Measurement for the SAR Probe Gain Response against TDD Modulated Signal for Probe Calibration at the frequency of 3.7 GHz
Yuto Shimojo, Toshiko Nakamura (National Institute of Information and Communications Technology)

P3-7  Preliminary Study of the Importance of Small Eigenvalues through Matrix Approximation without Rank Restriction
Erico Segawa, Yusuke Sakumoto (Kwansei Gakuin University)