

IEEE VTS Tokyo/Japan Chapter 2021 Student Paper Award List (VTC2021-Fall)

Winner	Title	Authors	Affiliation
Risa Shioi	Overloaded MIMO Detection Based on Two-Stage Belief Propagation with MMSE Pre-Cancellation	Risa Shioi, Takashi Imamura, and Yukitoshi Sanada	Keio University
Hao Tse Chiu	Joint Transmit Beamforming and Antenna Selection Design for MISO-NOMA Systems Based on Improper Gaussian Signaling	Hao Tse Chiu and Fumiaki Maehara	Waseda University

IEEE VTS Tokyo/Japan Chapter 2021 Young Researcher's Encouragement Award List (VTC2021-Fall)

Winner	Title	Authors	Affiliation
Yuma Katsuki	Optimal but Low-Complexity Optimization Method for Nonsquare Differential Massive MIMO	Yuma Katsuki and Naoki Ishikawa	Yokohama National University
Kenshiro Chuman	Weight Adjustment in Channel Estimation using Gibbs Sampling for MIMO Systems	Kenshiro Chuman and Yukitoshi Sanada	Keio University
Taichi Yamakado	Quantized Precoding for Out-of-Band Radiation Reduction in Massive MU-MIMO-OFDM	Taichi Yamakado, Riki Okawa, and Yukitoshi Sanada	Keio University
Takahito Tsukamoto	Attribution Macro Cell Switching in Distributed Antenna Transmission	Takahito Tsukamoto, Go Otsuru, and Yukitoshi Sanada	Keio University
Shoya Ogawa	Deep-Learning Aided Consensus Problem Considering Network Centrality	Shoya Ogawa and Koji Ishii	Kagawa University
Junya Tani	Online Probabilistic Activation Control of Base Stations Utilizing Temporal System Throughput and Activation States of Neighbor Cells	Junya Tani and Kenichi Higuchi	Tokyo University of Science
Kou Watanuki	Computationally-Efficient Preamble Design Appropriate for Random Access Achieving Multi-Packet Reception	Kou Watanuki and Kenichi Higuchi	Tokyo University of Science
Megumi Asada	HARQ Using Hierarchical Tree-Structured Physical Channel Identifiers in NOMA-Based Random Access for Multi-packet Reception	Megumi Asada, Nobuhide Nonaka, and Kenichi Higuchi	Tokyo University of Science

Winner	Title	Authors	Affiliation
Shogo Uchida	Investigation of Transmitter Filtering Method for Random Access with Channel Identifier Linked Receiver Beamforming	Shogo Uchida, Nobuhide Nonaka, and Kenichi Higuchi	Tokyo University of Science
Ryota Kobayashi	NOMA-Based Highly-Efficient Low-Latency HARQ Method for URLLC	Ryota Kobayashi, Yasuaki Yuda, and Kenichi Higuchi	Tokyo University of Science
Yuki Sekiguchi	PAPR Reduction Using Null Space in MIMO Channel for MIMO-OFDM Signals in Multiple-Antenna AF Relay Transmission	Yuki Sekiguchi, Nobuhide Nonaka, and Kenichi Higuchi	Tokyo University of Science
Tomofumi Makita	QoS-aware Low-complexity User Pairing Based on Compressed Sensing in Downlink NOMA	Tomofumi Makita and Osamu Muta	Kyushu University
Kazuki Noguchi	A CSI-based Object Detection Scheme using Interleaved Subcarrier Selection in Wireless LAN Systems with Distributed Antennas	Kazuki Noguchi, Osamu Muta, Tomoki Murakami, and Shinya Otsuki	Kyushu University
He He	Variable Frame Splitting for Polar Coded MIMO E-SDM in Fast Fading Channel	He He, Shun Kojima, Kentaro Yonei, Kazuki Maruta, and Chang-Jun Ahn	Chiba University
Yukito Onodera	Adaptive N+1 Color Shift Keying for Optical Camera Communication	Yukito Onodera, Hiroki Takano, Daisuke Hisano, and Yu Nakayama	Tokyo University of Agriculture and Technology
Kosuke Suzuoki	Space-Time-Domain Adaptive Equalizer Employed Successive Interference Cancellation for Underwater Acoustic Communication	Kosuke Suzuoki, Daisuke Hisano, Kazuki Maruta, Yoshiaki Inoue, Yuko Hara-Azumi, and Yu Nakayama	Osaka University
Mutsuki Nakahara	Retransmission Edge Computing System Conducting Adaptive Image Compression Based on Image Recognition Accuracy	Mutsuki Nakahara, Daisuke Hisano, Mai Nishimura, Yoshitaka Ushiku, Kazuki Maruta, and Yu Nakayama	Osaka University

Winner	Title	Authors	Affiliation
Yudai Morikawa	Highly Efficient Demodulation Scheme for In-band Full-duplex Using Heterogeneous Wireless Communication Schemes	Yudai Morikawa, Keiichi Mizutani, and Hiroshi Harada	Kyoto University
Yuu Ichikawa	Inter-Carrier Interference Cancellation for 5G System Applying Simplified Universal Time-domain Windowed OFDM	Yuu Ichikawa, Keiichi Mizutani, and Hiroshi Harada	Kyoto University
Ryota Nakada	An IOTA-Based Micropayment System for Air Quality Monitoring Application	Ryota Nakada, Zhetao Li, Tingrui Pei, Kien Nguyen, and Hiroo Sekiya	Chiba University
Shinichiro Kakuda	Channel Allocation for LoRaWAN Considering Intra-System and Inter-System Interferences	Shinichiro Kakuda, Yudai Yamazaki, Keita Katagiri, Takeo Fujii, Osamu Takyu, Mai Ohta, and Koichi Adachi	The University of Electro-Communications
Ying Gao	Improvement of Radio Environment Map under Data Falsification Attack	Ying Gao and Takeo Fujii	The University of Electro-Communications
Takumi Anjiki	Optimal User-Selection for User Cooperative Mobility Control in Ad Hoc Networks	Takumi Anjiki and Tutomu Murase	Nagoya University



VTS-T/J Chair の山尾先生と受賞者(オンラインで表彰式を開催)



表彰式の参加者(38名)