

**IEEE VTS Tokyo/Japan Chapter 2020 Student Paper Award List (VTC2020-Fall)**

Winner	Title	Authors	Affiliation
Keita Katagiri	<b>Experimental Verification of Shadowing Classification for Radio Map</b>	Keita Katagiri, Koya Sato, Kei Inage, and Takeo Fujii	The University of Electro-Communications
Shikhar Verma	<b>Security Analysis of Network-Oblivious Internet-Wide Scan for IEEE 802.11ah Enabled IoT</b>	Shikhar Verma, Yuichi Kawamoto, and Nei Kato	Tohoku University

## IEEE VTS Tokyo/Japan Chapter 2020 Young Researcher's Encouragement Award List (VTC2020-Fall)

Winner	Title	Authors	Affiliation
Masanori Ozasa	<b>Design of Millimeter-wave UAV Base Station for Access Link</b>	Masanori Ozasa, Jin Nakazato, Kousuke Hirata, Gia Khanh Tran, and Kei Sakaguchi	Tokyo Institute of Technology
Keita Masaki	<b>Effects of Eigenvalue Distribution on Precoded Faster-than-Nyquist Signaling with Power Allocation</b>	Keita Masaki, Takumi Ishihara, and Shinya Sugiura	The University of Tokyo
Seichiroh Osaki	<b>Non-Orthogonal Frequency-Division Multiplexing Based on Eigenvalue Decomposition</b>	Seichiroh Osaki, Takumi Ishihara, and Shinya Sugiura	Tokyo University of Agriculture and Technology
Takashi Imamura	<b>Low Complexity Belief Propagation based MIMO Detection with MMSE Pre-cancellation for Overloaded MIMO systems</b>	Takashi Imamura and Yukitoshi Sanada	Keio University
Sohei Itahara	<b>Lottery Hypothesis based Unsupervised Pre-training for Model Compression in Federated Learning</b>	Sohei Itahara, Takayuki Nishio, Masahiro Morikura, and Koji Yamamoto	Kyoto University
Masahiro Iwasaki	<b>Transfer Learning-Based Received Power Prediction with Ray-tracing Simulation and Small Amount of Measurement Data</b>	Masahiro Iwasaki, Takayuki Nishio, Masahiro Morikura, and Koji Yamamoto	Kyoto University
Yuto Kihira	<b>Adversarial Reinforcement Learning-based Robust Access Point Coordination Against Uncoordinated Interference</b>	Yuto Kihira, Yusuke Koda, Koji Yamamoto, Takayuki Nishio, and Masahiro Morikura	Kyoto University
Masao Shinzaki	<b>Deep Reinforcement Learning-based Beam Tracking from mmWave Antennas Installed on Overhead Messenger Wires</b>	Masao Shinzaki, Yusuke Koda, Koji Yamamoto, Takayuki Nishio, and Masahiro Morikura	Kyoto University
Leon Yamaguchi	<b>PC-Signal-Based PAPR Reduction Using Null Space in MIMO Channel for MIMO-OFDM Signals in Frequency-Selective Fading Channel</b>	Leon Yamaguchi, Nobuhide Nonaka, and Kenichi Higuchi	Tokyo University of Science

Winner	Title	Authors	Affiliation
Yuto Muroki	<b>Interleaver-Linked Receiver Beamforming with Transmitter Channel Equalization in TDD-IDMA-Based Random Access</b>	Yuto Muroki, Yotaro Murakami, Yoshihisa Kishiyama, and Kenichi Higuchi	Tokyo University of Science
Shyunsei Shin	<b>User Group Selection Method in Multiuser MIMO-OFDM Transmission with Adaptive PAPR Reduction Using Null Space in MIMO Channel</b>	Shyunsei Shin, Nobuhide Nonaka, and Kenichi Higuchi	Tokyo University of Science
Hidetomo Ochiai	<b>A High-speed Wi-SUN FAN Network by Highly-Dense Frequency Hopping</b>	Hidetomo Ochiai, Kiyoshi Mizutani, Ryota Okumura, Keiichi Mizutani, and Hiroshi Harada	Kyoto University
Ruiting Ouyang	<b>Channel Modeling Algorithm for TVWS-based IEEE 802.22 WRAN System in Rural Areas</b>	Ruiting Ouyang, Takeshi Matsumura, Keiichi Mizutani, and Hiroshi Harada	Kyoto University
Hiroki Ito	<b>Post-Reception Compensation Performance of Blind Nonlinear Compensator with Equalizer against Memory Nonlinear Distortion</b>	Hiroki Ito, Takeo Fujii, and Yasushi Yamao	The University of Electro-Communications
Hayato Watabe	<b>Communication-Radar Integrated System Using 5G OFDM Signal and Mismatched Filter Reception</b>	Hayato Watabe, Tomoki Abe, and Yasushi Yamao	The University of Electro-Communications
Yue Yin	<b>Design of Antenna Configuration for Interference Control in MmWave V2V Communication Systems</b>	Yue Yin, Haoze Chen, Zongdian Li, Ryuichi Fukatsu, Tao Yu, and Kei Sakaguchi	Tokyo Institute of Technology
Shino Shiraki	<b>Data-Correlation-Based Sensor Localization for Environment Sensing with Non-Geotagged Data</b>	Shino Shiraki, Yuto Ohashi, and Shigeo Shioda	Chiba University
Kai Takahashi	<b>Closed-Form Expressions of Performance Metrics of V2X Safety Communication in Urban Scenarios</b>	Kai Takahashi, Yuto Konuma, Shigeo Shioda, Takeshi Hirai, and Tutomu Murase	Chiba University



VTS-T/J Chairman 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(33名)