

**IEEE VTS Tokyo/Japan Chapter 2024 Student Paper Award List (VTC2024-Fall)**

Winner	Title	Authors	Affiliation
Kouki Iizuka	<b>Performance Evaluation of Coordination Function Selection in Multi-AP Coordination for Next-Generation Wireless LANs</b>	Kouki Iizuka, Hiroaki Hashida, Yuichi Kawamoto, Nei Kato, Yoshio Urabe and Hiroyuki Motozuka	Tohoku University
Mitsuni Hinohara	<b>Multiple Access Point Coordinated Orthogonal Frequency Division Multiple Access Considering Channel Fairness of Non-Coordinated Nodes</b>	Mitsuni Hinohara, Hiroaki Hashida, Yuichi Kawamoto, Nei Kato, Yoshio Urabe, Hiroyuki Motozuka	Tohoku University

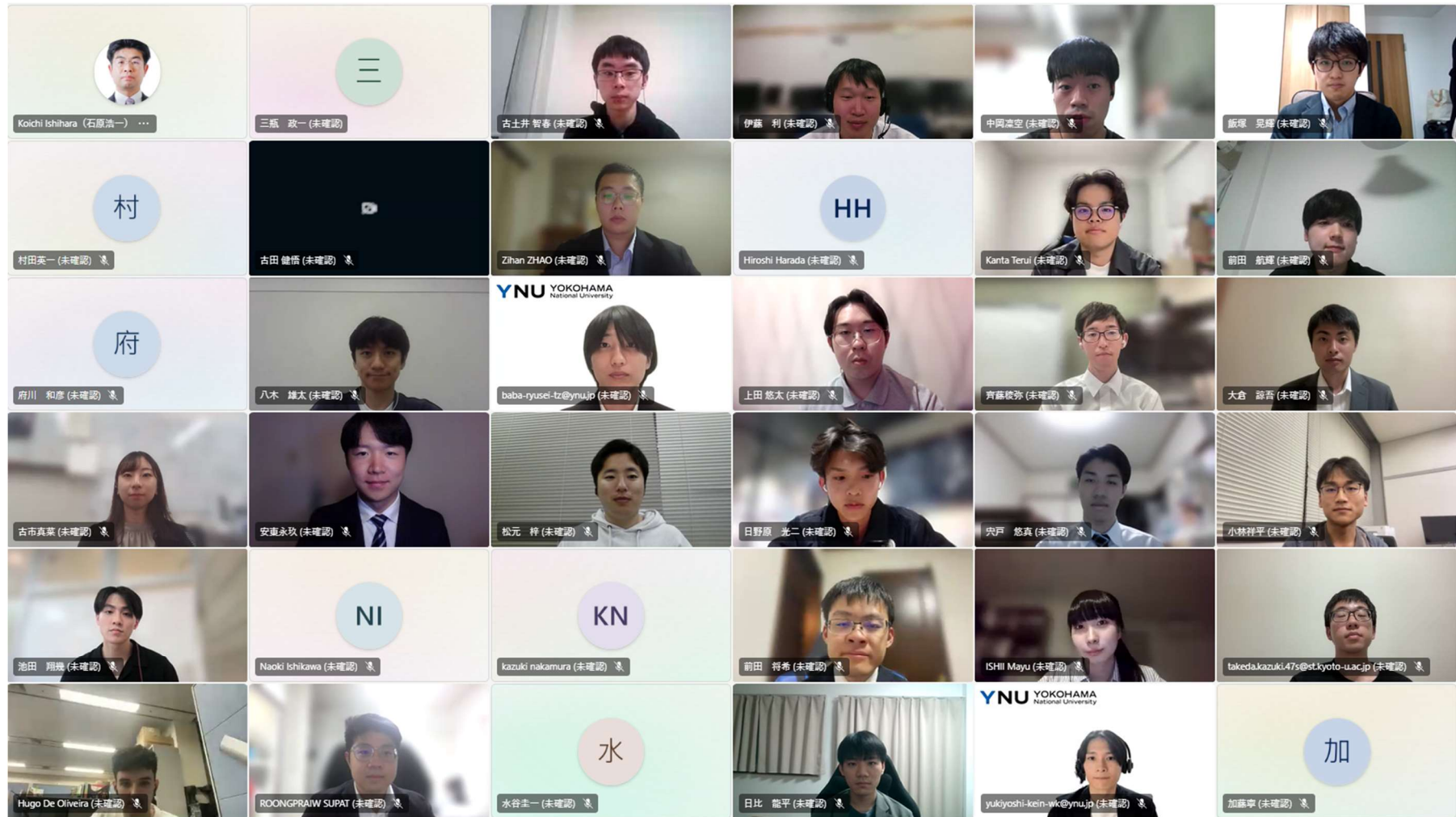
**IEEE VTS Tokyo/Japan Chapter 2024 Young Researcher's Encouragement Award List (VTC2024-Fall)**

Winner	Title	Authors	Affiliation
Kazuki Takeda	Open-Source Software-Based Beyond 5G Emulator for Evaluating Dynamic Full-Duplex Cellular System	Kazuki Takeda, Keiichi Mizutani, and Hiroshi Harada	Kyoto University
Ryogo Okura	Performance Evaluation of Low Sub-THz 5G NR Sidelink for Ultra-Wideband Short-Range Communication	Ryogo Okura, Yusuke Koda, and Hiroshi Harada	Kyoto University
Masaki Maeda	105 GHz Indoor Omnidirectional Power Delay Profile Measurement in Personal Office Desktop Environment	Masaki Maeda, Yusuke Koda, Norichika Ohmi, and Hiroshi Harada	Kyoto University
Eiku Ando	Performance of User Grouping Schemes in Collaborative MIMO Reception with a Focus on User Fairness	Eiku Ando and Yukitoshi Sanada	Keio University
Mana Furuichi	Multi-User Signal Detection with UAV Relay Station in Uplink Heterogeneous Network	Mana Furuichi and Yukitoshi Sanada	Keio University
Riku Nakaoka	Throughput Performance of Uplink Beamforming Transmission through Terminal Collaboration	Riku Nakaoka, Eiku Ando, and Yukitoshi Sanada	Keio University

Winner	Title	Authors	Affiliation
Supat Roongpraiwan	Digital Twin-Empowered Routing Management for Reliable Multi-Hop Millimeter Wave V2X	Supat Roongpraiwan, Zongdian Li, Tao Yu, and Kei Sakaguchi	Tokyo Institute of Technology
Kanta Terui	Robust Beamforming With Multi-Panel Array for mmWave Channels Over Mobility and Blockage	Kanta Terui, Kabuto Arai, and Koji Ishibashi	The University of Electro-Communications
Ryoya Saito	FSF-LoRa: Fractional-Spreading-Factor-LoRa for Flexible Resource Allocation	Ryoya Saito and Koichi Adachi	The University of Electro-Communications
Ryusei Baba	Deep Neural Network Based Reduced-Complexity Detector for Grassmann Constellation	Ryusei Baba Hiroki Iimori, Chandan Pradhan, Szabolcs Malomsoky, and Naoki Ishikawa	Yokohama National University
Kein Yuki Yoshi	Grover Adaptive Search for Maximum Likelihood Detection of Generalized Spatial Modulation	Kein Yuki Yoshi, Taku Mikuriya, Hyeon Seok Rou, Giuseppe Thadeu Freitas de Abreu, and Naoki Ishikawa	Yokohama National University
Shohei Kobayashi	Performance of linear MIMO receiver using null-space expansion technique over time-variant channels	Shohei Kobayashi, Yuki Ohi, Hidekazu Murata, Makoto Taromaru, Tatsuhiko Iwakuni, Daisei Uchida, and Naoki Kita	Yamaguchi University
Yuma Shishido	Distributed DQN-Based Frequency Block-Dependent Sleep Control of Base Stations for Improving Energy Efficiency Both in Up and Downlinks	Yuma Shishido, Takanori Hara, Satoshi Suyama, Satoshi Nagata, and Kenichi Higuchi	Tokyo University of Science

Winner	Title	Authors	Affiliation
Azusa Matsumoto	Beam Selection Method Based on Angle-Domain Adaptive Beam Grouping for Massive MIMO Analog Beamforming Using NOMA in Cellular Downlink	Azusa Matsumoto, Nobuhide Nonaka, Takanori Hara, and Kenichi Higuchi	Tokyo University of Science
Koki Maeda	Autonomous Decentralized TRP Group Selection to Maximize System Throughput in Downlink Distributed MIMO System	Koki Maeda, Takanori Hara, Satoshi Suyama, Satoshi Nagata, and Kenichi Higuchi	Tokyo University of Science
Shoki Ikeda	Decentralized User Association Method to Maximize System-Level Throughput Satisfaction Rate in Co-existing Networks with HAPS and Terrestrial BSs	Shoki Ikeda, Takanori Hara, Yuki Hokazono, Satoshi Suyama, Satoshi Nagata, and Kenichi Higuchi	Tokyo University of Science
Yuta Yagi	Autonomous Decentralized TRP Group Selection and Bandwidth Allocation in Downlink Distributed MIMO with Overlapped TRP Group Configuration	Yuta Yagi, Takanori Hara, Satoshi Suyama, Satoshi Nagata, and Kenichi Higuchi	Tokyo University of Science
Franck Junior Aboya Messou	Enhancing Short-Term Load Forecasting in Internet of Things: A Hybrid Attention-based CNN-BiLSTM with Data Augmentation Approach	Franck Junior Aboya Messou, Jinhua Chen, Robert Katarawa, Zihan Zhao, and Keping Yu	Hosei University
Zihan Zhao	A Resource-efficient Text-to-Text Transfer Transformer Encoder-based Vertical Hybrid Model for Malicious URLs Detection	Zihan Zhao, Jinhua Chen, Franck Junior Aboya Messou, Robert Katarawa, Keping Yu	Hosei University
Ryuhei Hibi	3D Codebook Construction Strategy based on Control Accuracy Index for Intelligent Reflecting Surface in Near-field	Ryuhei Hibi, Hiroaki Hashida, Yuichi Kawamoto, Nei Kato	Tohoku University

Winner	Title	Authors	Affiliation
Hugo De Oliveira	Smart Band Association for Wireless IoT Networks: a Personalized Federated Multi-Agent Deep Reinforcement Learning Approach	Hugo De Oliveira, Megumi Kaneko, and Lila Boukhatem	NII
Mayu Ishii	Camera Parameters Division Multiplexing Signal Transmission for Optical Camera Communication	Mayu Ishii, Shun Kaizu, and Yu Nakayama	Tokyo University of Agriculture and Technology
Yuta Ueda	Throughput Maximization in Grant-Free Power-Domain NOMA for 3D Distributed Users by Stochastic Geometry	Yuta Ueda, Takeshi Hirai, and Naoki Wakamiya	Osaka University
Kengo Furuta	Sparse Bayesian Learning Using Complex t-Prior for Massive Multi-User MIMO Channel Estimation	Kengo Furuta, Takumi Takahashi, and Hideki Ochiai	Osaka University
Tomoharu Furudo	Precoder Design for Time-Varying mmWave MIMO Detection Based on Expectation Propagation	Tomoharu Furudo, Takumi Takahashi, Shinsuke Ibi, and Hideki Ochiai	Osaka University
Toshi Ito	Novel Environmental Recognition Scheme with Mobile Data Gathering Station in Physical Wireless Parameter Conversion Sensor Networks	Toshi Ito, Osamu Takyu, Mai Ohta, Takeo Fujii, and Koichi Adachi	Shinshu University



受賞者の皆様



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