GITW 2025 Program

December 5th-6th 2025 // Tokyo, Japan (Hybrid)
Global Information and Telecommunication

Dec. 5th (DAY1)

Map(Day1)

Conference Venue

Room 203/205, 2F,

Bldg. 63,

Nishi-Waseda Campus

Waseda University,

Nishi-Waseda Campus

located at 3-4-1 Okubo,

Shinjuku City, Tokyo,

JAPAN

Presentation

Presentaiton time: 15min (Presentation 12min, and Discussion 5min)

For on-site participants:

If you would like to use your latest version PPT file for your presentation, please bring your USB flash drive or laptop on the venue. On the other hand, the venue PCs will contain the submitted PPT files, so you can also use the submitted PPT file for your presentation.

For online participants:

This workshop will use Zoom.

Therefore, we would like to ask you to share a screen of your PPT in your presentation.

Zoom

Room A: Meeting ID: 944 0997 0791 Passcode: 464018

Room B: Meeting ID: 990 2674 3705 Passcode: 221435

If you want to play slides with embedded audio,

check the “Share sound” checkbox in zoom.

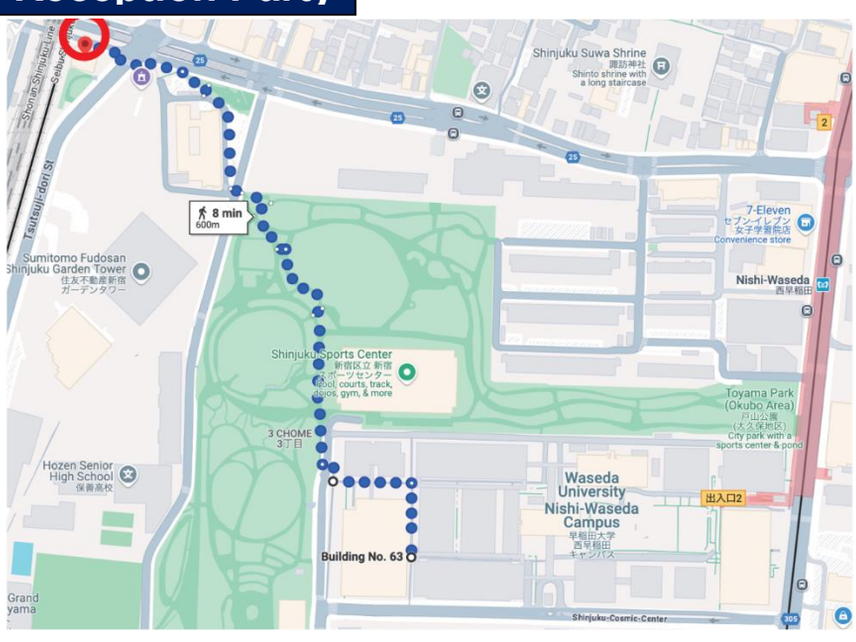
Wi-Fi

SSID: waseda-event005 Password: jG9hx8fB

On-site Lunch

Lunch boxes will be distributed at 63-204. 63-203/205 for students, 63-204 for faculties.

Reception Party



18:00-19:30

Cucina Caffe OLIVA

https://cucina-caffe-oliva.jp

map https://g.co/kgs/Tqq9HxP

Opening **9:00-9:30** **(Bldg.63, 2F, Room 203)** **(Zoom Room A)**	**Welcome Speech** 9:00-9:10 Prof. Shigeru Shimamoto (Director of GITI, Waseda University) 9:10-9:25 Prof. Tomohiko Uyematsu (President of IEICE)
Keynote Session **9:30-10:15** **(Bldg.63, 2F, Room 203)** **(Zoom Room A)**	Bridging Wireless Communications and Quantum Computing Prof. Octavia Dobre (Memorial University) CANADA
	Capacitive Tactile Sensors for Robots Prof. Wuqiang Yang (The University of Manchester) US
	Redesigning RAN to Better Serve AI Services Prof. Kyunghan Lee (Seoul National University) KOREA
Distinguished Professors Speech **10:15-11:15** **(Bldg.63, 2F, Room 203)** **(Zoom Room A)**	Prof. Dong-Kyu Chae (Hanyang university) KOREA Prof. Sheng Zhou (Tsinghua University) CHINA Prof. Xin Wang (Beihang University) CHINA Prof. Meikang Qiu (Augusta University) US Prof. Tu Dac Ho (Norwegian University of Science and Technology) NORWAY Prof. Trung Q. Duong (Queen's University Belfast) UK Prof. Hansong Xu (Shanghai Jiao Tong University) CHINA Prof. Quazi Mamun (Charles Sturt University) AUSTRALIA Prof. Chunxiao Li (Yang Zhou University) CHINA Prof. Bo Gu (Sun Yat-sen University) CHINA Prof. Md. Abir Hossain (Mawlana Bhashani Science and Technology University) BANGLADESH
11:20-11:25	Group Photo Shooting

11:25-13:00	**Lunch Break (Served by GITI)**

		Session 1A (Bldg.63, 2F, Room 203) (ZOOM Room A) Topics 1A Machine Learning and AI, B5G (Chair: Prof. Jiang Liu, WASEDA University)			ASPIRE Session 1B (Bldg.63, 2F, Room 205) (ZOOM Room B) Topics 1B Wireless Communications (Chair: Prof. Zhenni Pan, WASEDA University)		
Session 1 **13:00-15:00**	1	Masoud Reyhani Hamedani (RA)	HANYANG University	SIGEM: A Simple yet Effective Similarity based Graph Embedding Method	Abdulmohsen Alsaui	Memorial University	Quantum Partial Sorting for Signal Decoding in Wireless Communication Systems
	2	Weitao PAN	WASEDA University	Machine Learning Design Pattern Engineering: Machine Learning-Based Detection in Code	Hiroshi KATADA	WASEDA University	Analysis of Load Distribution Using Bio-inspired Routing Protocol on Wireless Multi-hop Networks
	3	Kim Hee-Sung	HANYANG University	Inconsistency-Aware Minimization: Improving Generalization with Unlabeled Data	Tomoya MATSUBARA	Keio University	MSVS: MULTI-SHELL VIEWPOINT SAMPLING FOR COMPREHENSIVE EVALUATION OF 3D WATERMARKING
	4	Xuan Yang	Sun Yat-sen University	EAPformer: Entropy-Aware Patch Transformer for Multivariate Long-Term Time Series Forecasting	Kazutoshi YOSHII	WASEDA University	Study on Time Variation of Fading Characteristics for Ionospheric Fading Reduction Scheme
	5	Bowen Xie	Tsinghua University	AEPHORA: AI/ML-Based Energy-Efficient Proactive Handover and Resource Allocation	Riku Nagase	Keio University	Mobility-Aware Task Offloading and Handover Management in Space-Air-Ground Integrated Networks
	6	Shatubdi Roy Tithi	Mawlana Bhashani Science and Technology University	IRS-Assisted URLLC for B5G/6G Intelligent Transportation System with Retransmission Mechanism and Reserved Bandwidth Allocation	Kazuma UESUGI	WASEDA University	Evaluation of Antenna Boresight Tracking Scheme with Channel Estimation in Mobile OAM Communication
	7	Jimin YEOM	HANYANG University	System Prompt Optimization for Robustness	Trond Vatten	Norwegian University of Science and Technology (NTNU)	On the Service Resilience Benefits of Multi-Operator Network Sharing with NFV
	8	Yixin FAN	WASEDA University	Fair and Credible Ownership Assurance for AI Model Markets	Vu Phong PHAM	Memorial University	Joint Beamforming and Discrete Phase-Shift Design of RIS via Hybrid Quantum–Classical Optimization in 6G Networks
15:00-15:30	Session break (30 min)						

		Session 2A (Bldg.63, 2F, Room 203) (ZOOM Room A) Topics 2A Vehicular Cooperation and Networks (Chair: Prof. Wang Zuyan, Southeast University)			ASPIRE Session 2B (Bldg.63, 2F, Room 205) (ZOOM Room B) Topics 2B Digital Contents, Non-terrestial Communications (Chair: Prof. Tu Dac Ho, Norwegian University of Science and Technology)		
Session 2 **15:30-17:30**	1	Parneet Kaur Dhindsa	WASEDA University	Slice-Based MAC Scheduling in Vehicular Networks employing FAWADS.	Thomas Zinner (Prof.)	Norwegian University of Science and Technology (NTNU)	From Measurements to Models: Understanding 5G NR Uplink Performance
	2	Yahui Liu	Yang Zhou University	Overtaking-Aware Dynamic Shortest Travel Time Path Planning for VANET-Based Intelligent Transportation Systems	Mao WANG	WASEDA University	Adaptive Beamwidth Control for Misalignment-Robust Terahertz Inter-HAPSs Links
	3	Shengyao Wang	WASEDA University	PSEUDO-GTDRIVENREGION-CONSTRAINEDBLACK BOX ATTACK ON SEMANTIC MODELS FOR AU TONOMOUSDRIVING	AHMED AL-HABOB	Memorial University	Sum-Rate Maximization in Air–Sea-Ground Networks using Movable Antenna
	4	Vardan VARDANYAN	TSINGHUA University	DRIVE: Dynamic Residual Information Vehicle Exchange for Communication-Efficient Collaborative Perception in Autonomous Driving	Megumi SAITO	WASEDA University	Cooperative Transmission Scheme based on D2D communication for Communication Disturbance in Mobile Networks
	5	Yijun Lu	WASEDA University	User-Customized Autonomous Driving in VR Environments Based on Generative AI	Alice Faisal	Memorial University	Conditional Generative Adversarial Networks for Channel Estimation in RIS-Assisted ISAC Systems
	6	Kangkang Sun	Shanghai Jiao Tong University	Privacy Enhancement via Gradient Shuffle Mechanism for Federated Learning-based IoV	Khin Than Htay	WASEDA University	Performance Analysis of Inter-Continental Communication links of Non-Equatorial Space Elevators
	7	Yi Rong	WASEDA University	Icst-dnet: An interpretable causal spatio-temporal diffusion network for traffic speed prediction	Sasinda C. Prabhashana	Memorial University	Multimodal LLM Inference in DT–Enabled 6G ISTNs: A Quantum Deep Reinforcement Learning Approach
	8	HONG, Yang	WASEDA University	Cross-Domain Observer empowered Physical-Cyber Fault Detection in Vehicular Digital Twins	Kashif Mehmood	Norwegian University of Science and Technology (NTNU)	AI-driven RAN architectures: Challenges & Opportunities

18:00-19:30	Reception party (Cucina Caffe OLIVA, https://cucina-caffe-oliva.jp, map:https://g.co/kgs/Tqq9HxP)

Dec. 6th (DAY2)

Map(Day2)

Conference Venue
Room 203 and 205, 2F, Bldg. 63
Nishi-Waseda Campus
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Nishi-Waseda Campus
located at 3-4-1 Okubo, Shinjuku City, Tokyo, JAPAN.

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On-site Lunch

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Dinner and Awards Ceremony

16:30-18:30

Rohm Square, 1F Bldg. 63, Nishi-Waseda Campus

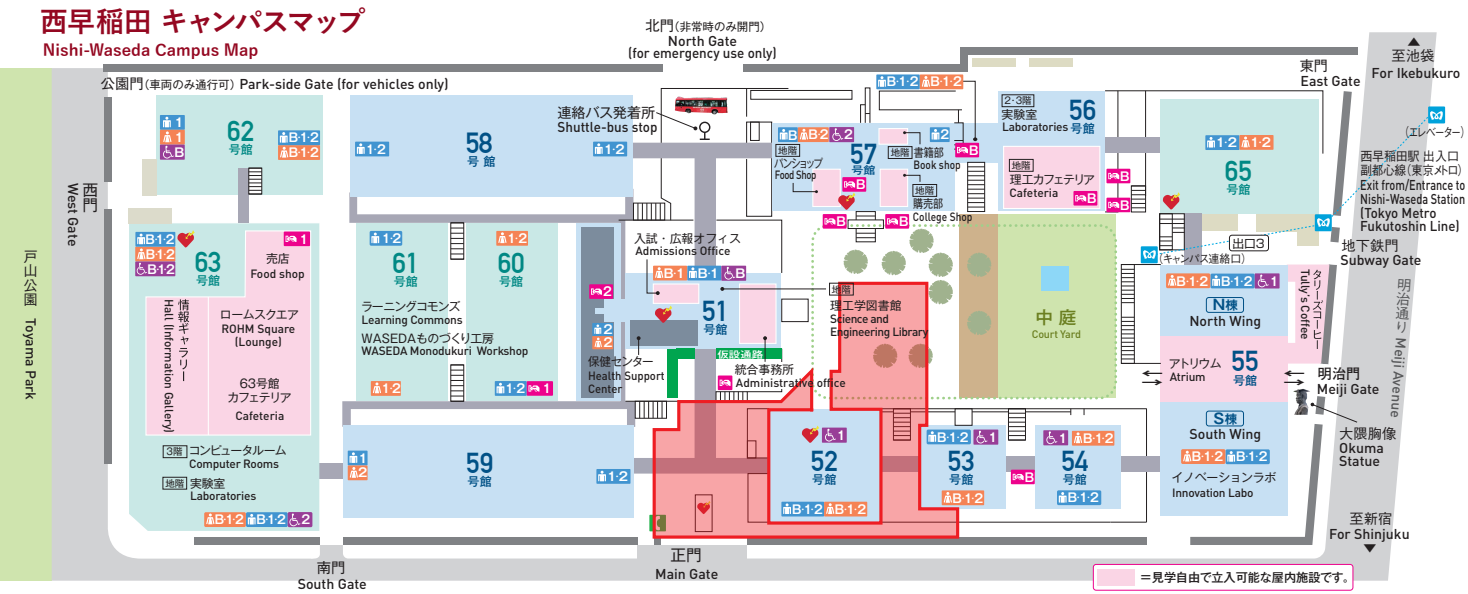
Keynote Session 10:00-10:45 (Bldg.63, 2F, Room 203) (Zoom Room A)	On the Verification and Vulnerability of Neural Audio Watermarking Prof. Miao Pan (The University of Houston) US	On-Site Zoom
	Video Semantic Communication System for Remote Driving Prof. Celimuge Wu(The University of Electro-Communications) JAPAN	
	Advanced Communications for 6G: Exploring the Next Frontier of Technology and Research Prof. Kaoru Ota (Tohoku University / Muroran Institute of Technology) JAPAN	

		Session 3A (Bldg.63, 2F, Room 203) (ZOOM Room A) Topics 3A: Robotics, Satellite, Airborne and Maritime Mobile Systems (Chair: Prof. Dong Mianxiong, Muroran Institute of Technology)			Session 3B (Bldg.63, 2F, Room 205) (ZOOM Room B) Topics 3B: Information Security, Communication and Maltimedia (Chair: Prof. Yunho Kim, Hanyang University)		
Session 3 10:45-12:15	1	Chenyu Hu	WASEDA University	10-220kV Live- Working Robot System and Core Technology	Gina JUNG	HANYANG University	MANTIS: Multi-Agent based uNit-Test generation with Scenario
	2	Tai-Jui Chang	National Taiwan University	A Lightweight RSSI-Based Follow-Me System for Elderly Assistance Robots	Dan Yuesen	Southwest Jiaotong University	Radio signal recognition based on time-frequency features and target detection
	3	Zixian MA	Zhejiang University	Ka-Band Multibeam Phased Arrays for Low-Earth-Orbit Satellite Communications	Taeri Kim	HANYANG University	STARLINE: Contrastive Learning with Modality-Aware Graph Refinement for Effective Multimedia Recommendation
	4	Vu Quoc Huy	National Economics University	Covert Multi-Relay Communications Under Proactive UAV Jamming	YU YUANYONG	WASEDA University	Sentiment and User-interaction Analysis on YouTube Comments of Trending Videos Using DistilBERT and TF-IDF
	5	Yoshihisa Matsushita	WASEDA University	Analysis of future aeronautical datalink with fixed assignment based window access with capture	Heeseok Jung	HANYANG University	Zero-Shot Compositional Video Learning with Coding Rate Reduction
	6	Anh NGUYEN-THI-MAI	National Economics University	A Survey on Challenges and Emerging Frontiers of Multi-Agent Systems	Yukiko TANABE	WASEDA University	A Study on Dead Zone Estimation in HF Propagation Employing Statistical Information from FT8 Communications
12:15-13:45		Lunch (Served by GITI)					

		Session 4A (Bldg.63, 2F, Room 203) (ZOOM Room A) Topics 4A: Quantum Communications, Future internet (Chair: Prof. Sheng Zhou, Tsinghua University)			Session 4B (Bldg.63, 2F, Room 205) (ZOOM Room B) Topics 4B: e-Health, Future internet (Chair: Prof. Miao Pan, The University of Houston)		
Session 4 13:45-15:00	1	Taeho Kim	HANYANG University	Leveraging Retrieval-Augmented Language Models for Accurate Item/Feature Selection in Conversational Recommender Systems	Haruka ITO	WASEDA University	Quantifying the Neural Generation of Binaural Beat Envelopes in the Absence of Physical Modulation
	2	Sunghyun Jin	Seoul National University	Enabling Latency-Critical AI Serving over Cellular Networks	XUEYI ZHOU	HANYANG University	Can LLMs Introduce What They Smell?: Conversational Interfaces for Artificial Olfaction
	3	Dingjie PENG	WASEDA University	Enhanced Local and Global Feature Fusion for Vision Transformer-Based Self-Supervised Depth Estimation under Adverse Weather Conditions	Chenhao WU	WASEDA University	Robust EMG Forecasting for IoT Healthcare Systems via Adaptive Mapping Neural Network and Transformer without Normalization
	4	Jongmun YANG	HANYANG University	SteLLaFuzz: Structure-aware LLM-assisted Seed Generation for Network Protocols	Junpei Xue	WASEDA University	Multimodal Non-Contact Measurement of Blood Glucose and Blood Pressure Using Near-Infrared Spectroscopy and AI-Driven Physiological Modeling
	5	Hiroaki Endo	Kyoto University	Time Alignment Algorithm of Power-Angular-Delay Profile Towards Flexible MmWave WPAN Propagation Channel Measurement	Ye ZHANG	WASEDA University	The Impact of Subcutaneous Tissue on the Signal Performance of Implantable NFC Chips

16:30-18:30	**Award Ceremony & Banquet** **(Rohn Square, 1F Bldg. 63, Nishi-Waseda Campus)**

西早稲田 キャンパスマップ
Nishi-Waseda Campus Map



男子トイレ restroom for men
女子トイレ restroom for women
車椅子対応トイレ restroom for wheelchair users

地図中、トイレマークは、スペースの都合上、B・1・2 に限定して記載しています。
B・1・2 Signs of 男 女 are displayed on the map of B・1・2 only due to the limitations of the space.

自動販売機 vending machine
AED（自動体外式除細動器） automated external defibrillator