

## Preliminary Program for VJISAP2024

9th Jan.

Start	End	Duration (minutes)	No.	Aurthor	Presentation Title
8:30	8:40	10	Opening	General Chairs from VN (EPU) and JP	
				[MA1] Keynote Speech	
8:40	9:20	40	K-1	○Hiroyoshi Yamada · Ryoichi Sato (Niigata Univ.)	Recent Progress in High-resolution Millimeter-wave Radar
				[MA2] Tutorial Talk 1	
9:20	10:00	40	T-1	Yasushi Takatori (NTT)	R&D for creating new wireless access value in the 6G/IOWN era
				[MA3] Poster Session	
10:00	11:00	60		Break + Poster Session	
				[MP1] Invited Session 1: Beam Scanning Antennas	
11:00	11:20	20	I-1	Takashi Tomura · Yuki Takeda · Hiraku Sakamoto (Tokyo Tech)	Non-flatness Compensation Reflectarray Antennas by Varactor Diode Mounted Reflection Elements
11:20	11:40	20	I-2	Nguyen Binh Duong (HCMIU)	A simple design of a 2-bit unit-cell for electronic beam-switching reflectarray antenna
11:40	12:00	20	I-3	Kunio Sakakibara (NITech)	Beam-scanning Antennas in Sub-THz Band
12:00	13:30	90		Lunch	
				[MP2] Tutorial Talk 2	
13:30	14:10	40	T-2	Qiaowei Yuan (TOHTEC)	Fundamental Technologies for Wireless Power Transfer Applications
				[MP3] Invited Session 2: Antennas for Wireless Power Transfer Antennas	
14:10	14:30	20	I-4	Le Minh Thuy (HUST)	Antenna for Self-powered Smart Wearable Devices
14:30	14:50	20	I-5	Takashi Hikage (Hokkaido Univ.)	A Numerical Prediction Method for Active Implantable Medical Device EMI due to Wireless Power Transfer System
14:50	15:10	20		Break	
				[MP4] Invited Session 3: Novel Antenna Technologies	
15:10	15:30	20	I-6	Hisashi Morishita (NDA)	Compact Robust Antenna Composed of Metal Case with a Slot and Inner Folded Dipole Element
15:30	15:50	20	I-7	MOHAMMAD TARIQUL ISLAM (UKM)	Planar Antenna Performance Enhancement Technique for Communication
15:50	16:10	20	I-8	Takafumi Fujimoto · Takuro Shitami · Chai-Eu Guan (Nagasaki Univ.)	A Compact Printed Hybrid-Mode Antenna For Dual-band Circular Polarization
16:10	16:30	20	I-9	Ta Son Xuat (HUST)	Recent Developments of Microstrip Patch Antennas And Their Applications to Design Dual-Band Radiators With Pattern And Polarization Diversities
16:30	16:50	20	I-10	Makoto Sano · Ryuji Kuse · Takeshi Fukusako (Kumamoto Univ.)	Design of Circularly Polarized Folded Reflectarrays with Arbitrary Aperture Field Distribution

10th Jan.

Start	End	Duration (minutes)	No.	Aurthor	Presentation Title
				[TA1] Invited Session 4: Novel Antenna Design Techniques 1	
8:20	8:40	20	I-11	Duong Thi Thanh Tu (PTIT)	A Penta band Antenna using Triple ring/ Symmetrical DGS Structure for WiFi 7, C band Satellite, and Radar Applications
8:40	9:00	20	I-12	Nhat Hoang Bach (Academic Military of Science and Technology)	Recognition of drones' control signals using pre-processing combined with neural network model
9:00	9:20	20	I-13	Satoshi Tsukamoto · Tomoyuki Furuichi · Noriharu Suematsu (Tohoku Univ.)	A Proposal of Millimeter-wave Distributed Antenna System Using Optical Fiber Link with 2-bit Band-Pass Delta Sigma Modulation
9:20	9:40	20	I-14	Trong-Thang TRAN (EPU)	Splitted Tx Frequency Range in PIM Testing Clarification
9:40	10:00	20	I-15	Michitaka Ameya · Yuto Kato (AIST)	2D Bistatic RCS Measurement System in THz-band using Offset Gregorian Antenna and Cylindrical Near-field to Far-field Transformation
10:00	10:20	20		Break	
				[TA2] Invited Session 5: New Measurement and Applications with Antenna Technologies	
10:20	10:40	20	I-16	Satoru Kurokawa · Michitaka Ameya (AIST) · Masanobu Hirose (7G aa)	Optical Fiber Link Vector Measurement System without Vector Network Analyzer
10:40	11:00	20	I-17	Hoang Manh Ha (HCMUT)	Design of UWB Pulse Radar System for Detection of Obscured Objects
11:00	11:20	20	I-18	Takuji Arima (tuat)	FDTD Analysis of Moving Antennas Above Rough Surface
11:20	11:40	20	I-19	Nguyen Thanh Huong (HUST)	Wireless Microwave Filter for Glucose Monitoring using CSRR structure
11:40	12:00	20	I-20	Cong Pham Ch (Vietnam Research Institute of Electronics, Informatics and Automation)	Estimated radio refractive index in the troposphere of Hanoi using experimental data from the radio occultation and radiosonde methods
12:00	13:30	90		Lunch	
				[TP1] Invited Session 6: Antenna Technologies for Next Telecommunications	
13:30	13:50	20	I-21	Yoshihide Yamada (Malaysia-Japan International Institute of Technology (MJIIT), UTM)	Focal region ray tracing for negative refractive index lens antenna
13:50	14:10	20	I-22	Tong Van Luyen (HAUI)	Array Pattern Synthesis: An Aspect of Optimization Approaches
14:10	14:30	20	I-23	Mangseang Hor (7Gaa) · Takashi Hikage (Hokkaido University)	Gain Enhancement of Planar Array of X-shaped Slot Antenna for Local 5G in Millimeter Wave Frequency Band

14:30	14:50	20	I-24	Tran Thi Lan (UTC)	A high gain metasurface-based array antenna for DSRC communication
14:50	15:10	20	<b>Break</b>		
<b>[TP2] Invited Session 7: Novel Antenna Design Techniques 2</b>					
14:50	15:10	20	I-25	Tran Huy Hung (PHENIKAA)	A 1-D MIMO Patch Array with Self-Isolation and Flexible Characteristics
15:10	15:30	20	I-26	Takeshi Fukusako · Ryuji Kuse (Kumamoto Univ.)	Broadband Circularly Polarized Antenna Design Techniques using Metasurfaces with Controlled Contours – A Review –
15:30	15:50	20	I-27	Hoang Thi Phuong Thao (EPU)	Applying Machine Learning to the Prediction of Output Parameters in Antenna Design
15:50	16:10	20	I-28	Nguyen Manh DAT (Vietnam Academy of Science and Technology)	Tracking antenna design for low Earth observation satellite
16:10	16:20	10	<b>Short break</b>		
16:20	16:40	20	<b>Closing, Award, Photo</b>		

**Note:** Num. Posters: 11(JP)+ 8(VN)  
K-1, T-1, T-2, I-#, P-#: Paper Numbers  
Coffee breaks: 4 times

**Poster Session**

No.	Author	Presentation Title
P-1	Tran Viet Duc Nguyen (Le Quy Don Technical University)	Design of a compact sequentially-fed metasurface-based patch antenna with wide bandwidth and circularly polarized operations
P-2	Wen Wu · Qiang Chen (Tohoku Univ.)	A Nonradiative Dielectric Waveguide Based Wideband Reflectarray Antenna
P-3	Nguyen Thanh Tam (Le Quy Don Technical University)	Dual-band wearable antenna based on Characteristic Mode Analysis for On body communication
P-4	Hu Ao · Konno Keisuke · Chen Qiang (Tohoku Univ.)	On the Design of 1-bit Reflectarray Using Electromagnet-controlled Element
P-5	Nguyen Thanh Huong (Hanoi University of Science and Technology)	Pixelated Antenna Design for 5G Sub-6 GHz Communication Using Evolutionary Algorithm Optimization
P-6	CUI YUE · Sato Hiroyasu · Ishinabe Tahahiro · Fujikake Hideo · Chen Qiang (Tohoku Univ.)	A Low-Cost Liquid Crystal Reflectarray with Reduced Reflection Loss
P-7	Nhat-Anh PHAM (Electric Power University )	A Compact Broadband Bandpass Filter Using H-shape Resonator For WLAN System
P-8	Hayato Furumido · Takashi Hikage · Manabu Yamamoto (Hokkaido Univ.) · Kazumitsu Sakamoto · Yosuke Fujino (NTT)	Examination of Miniaturized Patch Antenna with Circular Polarization for Earth Sensing Platform via LEO Satellite
P-9	Minh Tan Nguyen (Electric Power University)	Buck Converter High Efficiency wide load range, Low Power AOT Controlled integrated Negative Voltage Supply for PMOS Switch with Dual-Mode Comparator and Sleep-Time Detector
P-10	Ryoto Ogushi · Hiroyuki Arai (Yokohama National Univ.)	Decoupling Design of $\pm 45^\circ$ Polarization Patch Antenna Using Bridge and Slot
P-11	Khuat Van Duc (Posts and Telecommunications Institute of Technology)	A Machine Learning Method for Heart Disease Diagnosis
P-12	Takaharu Nakase · Hiroyuki Arai (Yokohama National Univ.)	Sampling Points Reduction in Phase-less Spherical Near Field
P-13	Van Quang Dinh (Electric Power University)	PERFORMANCE IMPROVEMENT OF DIAGNOSTIC NEURON NETWORK FOR COVID-19 BY METHOD OF ASSIGNING WEIGHTS TO PATHOLOGICAL SYMPTOMS
P-14	Hiroki Nakamura · Keizo Cho (CIT) · Takuya Okura · Hiroyuki Tsuji (NICT)	Microstrip antenna unit for beam steering antennas using dielectric constant control with liquid crystals
P-15	Nagai Shota (Malaysia-Japan International Institute of Technology (MJIIT), UTM)	Undersea radio propagation attenuation depending on antenna depth
P-16	Naoto Tomiyama · Hiroyuki Arai (Yokohama National Univ.)	Broadband patch antennas with m x n metasurfaces
P-17	Kenta Fujii · Keizo Cho (CIT) · Naobumi Michishita (NDA) · Hiroaki Nakabayashi (CIT) · Takayoshi Sasaki · Warangkana Chaihongsa · Keisuke Sato · Ichiro Oshima (DKK)	Transmit array elements that tilt beam through glass using Huygens metamaterials.
P-18	Ryusuke Sunagawa · Hibiki Shiba · Ryuji Kuse · Makoto Sano · Takeshi Fukusako (Kumamoto Univ)	Direction of Arrival Estimation Using A Transmitarray And A Single Antenna Element
P-19	Tomoki Hoshiko · Ryuji Kuse · Makoto Sano · Takeshi Fukusako (Kumamoto Univ) · Kazuma Tomimoto · Masayuki Miyashita · Toshiki Hozen · Ryo Yamaguchi (Softbank)	Isolation Improvement of a 4-element Horn Array Antenna
P-20	Duong Thi Thanh Tu, Phan Huu Phuc and Nguyen Thi Thu Nga (Posts and Telecommunications Institute of Technology)	Dual Antenna for IoV Applications Based on 802.11bd
P-21	Nguyen Thi Hai Yen and Duong Thi Thanh Tu (Posts and Telecommunications Institute of Technology)	A MIMO Antenna using SRR Structure for Next Generation V2X