

Day-1 (Feb 19, 2025 - Wed)			Day-2 (Feb 20, 2025 - Thu)		Day-3 (Feb 21, 2025 - Fri)			
Time	Event/Location	Speaker	Event/Location	Speaker	Event/Location	Speaker	Time	
8:20 - 16:00	Registration							
8:40 - 9:00	Opening Ceremony	iWAT Chair	Keynote Speech 2	Christos Christodoulou	Session: Wearble Antennas	Asimina Kiourti	8:40 - 9:00	
9:00 - 9:20	AP-S & MTT President Remarks					Erdem Topsakal	9:00 - 9:20	
9:20 - 9:40	Keynote Speech 1	Gabriel Rebeiz	Session : ML for Antenna	CJ Reddy		Ifana Mahbub	9:20 - 9:40	
9:40 - 10:00				Junming Diao		Sima Noghianian	9:40 - 10:00	
10:00 - 10:20		Coffee Break		Francesco Andriulli		Qing-Xin Chu	10:00 - 10:20	
10:20 - 10:40	Session: mmWave Antennas	John Volakis	Coffee Break	Qammer Abbasi		Coffee Break	10:20 - 10:40	
10:40 - 11:00		Kubilay Sertel			Session: Heterogenous Integration for AiP	Jing Wang	10:40 - 11:00	
11:00 - 11:20		Georgios Trichopoulos				Eduardo Rojas	11:00 - 11:20	
11:20 - 11:40		Dennis W. Prather		Poster Session-2		Pulugurtha Raj	11:20 - 11:40	
11:40 - 12:00		Goutam Chattopadhyay				Alejandro Jimenez	11:40 - 12:00	
12:00 - 12:20		Empty			YK Yoon	12:00 - 12:20		
12:20 - 12:40		Lunch		Lunch	Closing Remark	iWAT Chair	12:20 - 12:40	
12:40 - 13:00								12:40 - 13:00
13:00 - 13:20								13:00 - 13:20
13:20 - 13:40	Session:The Latest Progress in Antennas and Their Applications	Zhi Ning Chen	Session: RIS	George Eleftheriades			13:20 - 13:40	
13:40 - 14:00		Satish Sharma		Daniel Sievenpiper			13:40 - 14:00	
14:00 - 14:20		James Kelly		Anthony Grbic			14:00 - 14:20	
14:20 - 14:40		Yi Huang		Nima Ghalichechian			14:20 - 14:40	
14:40 - 15:00		Stavros Koulouridis		Nader Behdad			14:40 - 15:00	
15:00 - 15:20	Coffee Break			Coffee Break			15:00 - 15:20	
15:20 - 15:40		Poster Session-1	Session: Additive Manufacturing	Yi Wang			15:20 - 15:40	
15:40 - 16:00				Yang Yang			15:40 - 16:00	
16:00 - 16:20				Geng-Bo Wu			16:00 - 16:20	
16:20 - 16:40				Stephen Hanham			16:20 - 16:40	
16:00 - 17:00						Mohammad S. Sharawi		
17:00 - 17:30		Empty		Empty			17:00 - 17:30	
17:30 - 19:30		Welcome Reception		Banquet & Award Ceremony			17:30 - 19:30	

Day-1 (Feb 19, 2025 - Wed)		
Time	Event/Location	Speaker
8:20 - 16:00	Registration	
8:40 - 9:00	Opening Ceremony	iWAT Chair
9:00 - 9:20	AP-S & MTT President Remarks	
9:20 - 9:40	Keynote Speech 1	Gabriel Rebeiz
9:40 - 10:00		
10:00 - 10:20	Coffee Break	
10:20 - 10:40	Session: mmWave Antennas	John Volakis - <i>Fabrication Challenges and Solution for Beam Forming mm-Wave Arrays</i>
10:40 - 11:00		Kubilay Sertel - <i>Over-the-air Characterization of On-wafer mmW and THz Antenna Parameters</i>
11:00 - 11:20		Georgios Trichopoulos - <i>Hybrid-Fed Antenna-Mixer for 130nm BiCMOS Terahertz Focal Plane Arrays</i>
11:20 - 11:40		Dennis W. Prather - <i>The Role of Photonic Devices in Advanced Phased Array Antennas</i>
11:40 - 12:00		Goutam Chattopadhyay - <i>1.9 THz Large-Format Heterodyne Array Instrument</i>
12:00 - 12:20	Empty	
12:20 - 12:40	Lunch	
12:40 - 13:00		
13:00 - 13:20		
13:20 - 13:40	Session: The Latest Progress in Antennas and Their Applications	Zhi Ning Chen - <i>Prior Knowledge-Guided Deep Learning-Enabled Metantenna Optimization and Synthesis</i>
13:40 - 14:00		Satish Sharma - <i>Design and Development of K/Ka-Band Flat Panel Phased Array Antennas and Data Throughput</i>
14:00 - 14:20		James Kelly - <i>Using Gallium-Based Liquid Metal to Create Beam Switchable Bull's Eye Antennas</i>
14:20 - 14:40		Yi Huang - <i>Dispersive Material Antennas</i>
14:40 - 15:00		Stavros Koulouridis - <i>mm-Wave Metamaterial Antenna Design With Superstrate for B5G FR3 Bands Using Osprey</i>
15:00 - 15:20	Coffee Break	Poster Session-1
15:20 - 15:40		
15:40 - 16:00		
16:00 - 16:20		
16:20 - 16:40		
16:00 - 17:00		
17:00 - 17:30	Empty	
17:30 - 19:30	Welcome Reception	

Day-2 (Feb 20, 2025 - Thu)		
Time	Event/Location	Speaker
8:20 - 16:00		
8:40 - 9:00	Keynote Speech 2	Christos Christodoulou
9:00 - 9:20		
9:20 - 9:40	Session : ML for Antenna	CJ Reddy - <i>Machine Learning for Antenna Design and Wireless Coverage Optimization</i>
9:40 - 10:00		Junming Diao - <i>A New Language for Antennas: Poynting Streamline Analysis and Applications</i>
10:00 - 10:20		Francesco Andriulli - <i>Computational Paradigms for EM Neuromodelling Challenges from Low to Microwave</i>
10:20 - 10:40		Qammer Abbasi - <i>Reconfigurable Intelligent Surfaces (RIS) for Communication, Sensing, and Localisation</i>
10:40 - 11:00	Coffee Break	
11:00 - 11:20		Poster Session-2
11:20 - 11:40		
11:40 - 12:00		
12:00 - 12:20		
12:20 - 12:40	Lunch	
12:40 - 13:00		
13:00 - 13:20		
13:20 - 13:40	Session: RIS	George Eleftheriades - <i>Beamsteering and Beamshaping with Surface-Wave Assisted Reflecting Metasurfaces</i>
13:40 - 14:00		Daniel Sievenpiper - <i>Reconfigurable Surfaces and Machine Learning Based Control</i>
14:00 - 14:20		Anthony Grbic - <i>Microwave Network-Based Design of Beamforming Metasurfaces</i>
14:20 - 14:40		Nima Ghalichechian - <i>Dual-Polarized Reconfigurable Reflectarray Using Vanadium Dioxide for 5G mmWave</i>
14:40 - 15:00		Nader Behdad - <i>Adaptive Beam Pointing, Tracking, and Null Steering in Electronically Reconfigurable Reflectarray</i>
15:00 - 15:20	Coffee Break	
15:20 - 15:40	Session: Additive Manufacturing	Yi Wang - <i>3D Printed Microwave and Mm-Wave Feeders and Antennas</i>
15:40 - 16:00		Yang Yang - <i>3D Printed Multimaterial Metasurface Antennas for Wireless Communications</i>
16:00 - 16:20		Geng-Bo Wu - <i>3D Printed Al2O3 for Millimeter Wave Metalens</i>
16:20 - 16:40		Stephen Hanham - <i>Direct Laser Written Antennas for the Terahertz Frequency Band</i>
16:00 - 17:00		Mohammad S. Sharawi - <i>Encapsulated 3D-Printed Multi-Band Dielectric Resonator Antenna Systems</i>
17:00 - 17:30	Empty	
17:30 - 19:30	Banquet & Award Ceremony	

Day-3 (Feb 21, 2025 - Fri)		
Time	Event/Location	Speaker
8:20 - 16:00		
8:40 - 9:00	Session: Wearble Antennas	Asimina Kiourti - <i>Novel 3D-Printing Technologies for Wearable and Implantable Antennas</i>
9:00 - 9:20		Erdem Topsakal - <i>Antennas for Implant-to-Wearable (I2W) Communication Systems</i>
9:20 - 9:40		Ifana Mahbub - <i>A Miniaturized Implantable Multiband Circular Polarized Antenna With Meandered Structure for</i>
9:40 - 10:00		Sima Noghianian - <i>Effects of Dust, Sweat, and Moisture on a Dual-Band Wearable WiFi Antenna</i>
10:00 - 10:20		Qing-Xin Chu - <i>High-Efficiency Low-SAR Antennas for Smartphones</i>
10:20 - 10:40	Coffee Break	
10:40 - 11:00	Session: Heterogenous Integration for AiP	Jing Wang - <i>3D Structurally Integrated and Co-Designed Mm-Wave Front-End Transceivers and Phased Array</i>
11:00 - 11:20		Eduardo Rojas - TBA
11:20 - 11:40		Pulugurtha Raj - <i>Multiscale Multistacked 3D Heterogeneous Integration of Chiplets for Future Wireless Systems</i>
11:40 - 12:00		Alejandro Jimenez - TBA
12:00 - 12:20		YK Yoon-TBA
12:20 - 12:30	Closing Remark	iWAT Chair

Poster Session-1		Feb 19, 2025;	15:00 - 17:00
Paper ID	Title	Authors	
1571077260	Towards Bi-Directional Deep Learning Approach in Patch Antenna Design and Optimization	Muhammad Kamran Shereen; Xiaoguang Liu; Xiaohu Wu; Shehryar Niazi; Ayesha Naseem; Muhammad I Khattak	
1571077957	A Dual-State Active Wideband Reflectarray	Malak Elaouinate; Anastasios G. Koutinos; Constantinos L. Zekios	
1571086237	H-Plane Coupled Yagi-Uda mm-Wave ESPAR Array	Ectis Velazquez, Jr; Xun Gong	
1571086959	Design of Lightweight Perforated Pyramidal Horn Antenna With Constant Beamwidth	Gogu Naveen; Rama Krishna Dasari; Abhishek Reddy Thogaru	
1571087255	Analysis of a Compact Polarization Reconfigurable MIMO Antenna for Sub-6 GHz Applications	Manpreet Kaur; Hari Shankar Singh; Mayank Agarwal	
1571087394	Monitoring Pressure Ulcer Using Microwave Radar Technique	Mahsa Khamechi; Abas Sabouni	
1571087559	Advanced mmWave Slot-Ring Phased Array Antenna With Polarization Reconfigurability	Zahid Hasan; Xun Gong	
1571087606	Ridge Gap Waveguide Slotted Array Antenna for Millimeter Wave Application - Comparative Use Case Scenario	Parisa Shirvani; Guillaume Ndjamba Nyami; Ahmed A Kishk	
1571091456	Dual-Band, Dual Independently-Tunable Near-Field Focus Metasurface for Advanced Radar Bio-Sensor	Mohammad Omid Bagheri; Omar Ramahi; George Shaker	
1571087573	Interconnected Four Split Rectangular Ring Resonator Metamaterial for Microwave Sensing Application	Nazimul Mowla Chowdhury; Mohammad Lutful Hakim; Mohammad Tariqul Islam; Touhidul Alam	
1571087610	UWB Anisotropic Cross Polarization Conversion Metasurface With Low Sensitivity to Incident Angle	Ruwaybih Alsulami	
1571090203	The Crossed Loop Antenna	Francis Parsche	
1571090480	Advanced Nested Array Configuration Achieving Large-Scale Hole-Free Co-Array in MIMO System	Abdul Hayee Shaikh; Xiaoguang Liu	
1571090754	Design of a Compact Transparent Antenna for 5G Communication Systems	Mohammed Nazmus Shakib; Shaif Uddin Khondaker; Zebreail Hamden; Md Atiqur Rahman Udo; Minarul Islam; Heng Siong Lim	
1571092236	Pattern Synthesis of Sparse Linear Arrays With Mutual Coupling Using Vectorial Matrix Pencil Method	Yuanchen Zeng; Koen Mouthaan	
1571092249	Two-Dimensional Tunable Butler Matrix	Mitch E Plaisir; Muhammad Uzair; Hanxiang Zhang; Powei Liu; Saeed Zolfaghary pour; Hao Yan; Jonathan Casamayor; Bayaner Arigong	
1571077872	A Single-Layer Efficient Metasurface Absorber for RF Energy Harvesting Applications	Raziyeh Sharifi; Anne-Claire Lepage; Kyriaki Niotaki; Xavier Begaud	
1571079388	Enabling Non-Contact Heart Rate Monitoring With Readily Available mmW Radars	Anastasios G. Koutinos; Constantinos L. Zekios; Stavros Georgakopoulos	
1571087629	Compact MIMO Antenna Design With Improved Isolation Performance Through Resonant Structure	Mohana Vamshi Komandla; Mohammad Saeid Ghaffarian; Ervin Larashi	
1571091889	Ultrawideband Antipodal Vivaldi Antenna for Non-Contact Biomedical Sensing Applications	Karthik Kakaraparty; Jayshri S Kulkarni	
1571082072	An FPT-Based mmW Cavity-Backed Antenna	Anthony Osorio; Anastasios G. Koutinos; Constantinos Zekios; Stavros Georgakopoulos	
1571087277	A Wide-Band Antenna Design for Sub-Surface Microwave Imaging	Sulayman Joof; Mehmet Çayören; Ibrahim Akduman	
1571086987	A Data-Driven Pattern-To-Code Mapping for Digital Metasurface	Eskedar G Ayele; Oameed Noakoosteen; Christos Christodoulou	
1571087269	Design and Validation of Reflective Electromagnetic Surfaces With Switching Capability for K-Band Polarizer Applications	Achmad Munir; Dwi Andi Nurmantris; Arief Budi Santiko	
1571091716	Multilayer, Multiband Compact Wearable Endfire Antenna for on-Body Communication	Jayshri S Kulkarni; Daniel Agu; Douglas E Dow; Yang Li	

Poster Session-2		Feb 20, 2025;	10:40 - 12:20
Paper ID	Title	Authors	
1571090208	Design of mmWave Sensor for the Prognosis of Burn Wounds Severity Using Arm Tissue Phantom	Anthony V Giordano; Melany Gutierrez Hernandez; Satheesh Bojja Venkatakrishnan	
1571077643	High-Power Dual-Polarized Reconfigurable Reflectarray for Directed Energy Applications	Muhammad Mubasshir Hossain; Tatiana Valera; Satheesh Bojja; John L. Volakis	
1571077708	Low-Profile Phased Lens Array Antenna With Anti-Reflection Structure Fed by Circular-Arc Arranged Horns in 300 GHz Band	Hideaki Sugiyama; Yoshiki Sugimoto; Kunio Sakakibara; Nobuyoshi Kikuma	
1571080044	An AI-Powered RIS Technology for Hand Gesture Recognition in the Radiating Near Field	Sigurd S. Petersen; Emil Lyge-Dorrmann; Rune Drongesen; Jacob Vitfell Kørpke; Puchu Li; Zhihong Ying; Ming Shen	
1571080420	High-Contrast Low-Loss Antennas With Improved Bandwidth and Wearability	Allyanna S Rice; Asimina Kiourti	
1571084654	Rectangular Waveguide Flange Aperture-Shared Antenna With Extended Array Angle-Of-Arrival	Yoshiki Sugimoto	
1571086267	A Low-Profile, Closely-Spaced 1x4 MIMO Array With Low Mutual Coupling	Sai C Radavaram; Luka Dimitrijevic; Sean Gillam; Maria Pour	
1571086357	Measurement of Propagation Impact by Low-E Glass From Outdoor Base Stations to Indoor of a House in 800 MHz to 3.7 GHz Band	Masashi Yamamoto; Yuki Inoue	
1571086640	Assessing Vehicle Wi-Fi Communication With Home Routers: Opportunities and Challenges	Mohammad Saeid Ghaffarian; Mohana Vamshi Komandla; Ervin Larashi	
1571087493	28-GHz Band Transparent Planar Dielectric Resonator Antenna	Wai Ki Lee; Kwok Wa Leung	
1571087494	Dual-Polarized and Multi-Axis Foldable Antenna Using Sequentially Arranged Conformal Patches	Mohammad Ameen; Peng-Khiang Tan; Koen Mouthaan	
1571090539	Compact Ultrawideband Slotted Bowtie-Dipole Antenna With 136.5% FBW for Next-Generation Wireless Communication and Sensing	Karthik Kakaraparty; Ifana Mahbub	
1571091946	Characteristics Measurement of Wearable Embroidered Disc-Shaped Textile Array Antenna	Sabrina Megumi Ahmad; Sisi Indriani; Trasma Yunita; Muhammad Naufal Arira; Jamal Zaid; Achmad Munir	
1571076948	Low-Profile Dipole Antenna Integrated With Wideband Polarization Converter	Cho Hilary Scott Nkimbeng; Heesu Wang; Ikmo Park	
1571077829	Communication Between Rectangular Phased Arrays on an Orbital-Angular-Momentum-Encoded Link	Adam Fallon; Christine Chevalier; Ian Nemitz	
1571077896	The All Polarization Helix Antenna: The Sinewave Antenna	Francis Parsche	
1571078280	Design of an Efficient System for Infrared Energy Harvesting	Amir Botros; Adel Saleeb; Said Ahmed-Zaid; Eklas Hossain	
1571082692	A Three-Axis, Dual-Feed, Shielded Loop Probe Incorporating a Re-Entrant Infinite Balun	James S. McLean; Robert Sutton	
1571085206	Operational Characteristics of a Plasma Antenna	David D. Blackwell; Michael A. Rugar	
1571087537	Flexible and Stretchable Antenna Using Corrugated Copper-Clad Polyimide and Beyolex Film	Mohammad Ameen; Koen Mouthaan	
1571091086	A 4x4 L-Band Dual-Polarized Array With Digital Transmit/Receive Beamforming Using RFSoc	Shiwen Tang; Peizhuo Yang; Koen Mouthaan	
1571084285	Performance of Screen-Printed Wearable Antennas	Sarah E Johnson; Erdem Topsakal	
1571085265	Electrically Small Antenna Leveraging Piezoelectric Resonance in Stacked Layers	Kevin J Dix; Ihab F El-Kady; Alper Erturk	
1571087357	An Ultrathin Terahertz Tri-Band Fractal Meta-Absorber for Liquid Chemical Sensing Applications	Afzaal Ahmad; Muhammad Zubair; Jalil ur Rehman Kazim; Muhammad Ali Imran; Qammer Abbasi	
1571087601	A Miniaturized Multi-Wideband Antenna for Variable-Size Tablet Computers and Mobile Phones	Ahmed Shafqat; Muhammad Noman; Mirza Shujaat Ali; Hattan F. Abutarboush; Farooq A Tahir; Qammer Abbasi	