UCMMT2026 (Birmingham, UK) Conference Programme
23-26 August 2026

Day 1: 23 Aug	Edgbaston Park Hotel (Hornton Grange / Lloyd Suite), University of Birmingham
16:00-18:30	**Registration**
18:30-20:30	**Welcome reception**

Day 2: 24 Aug	Edgbaston Park Hotel, University of Birmingham	
8:00 – 17:00	Registration (by the main entrance)	
8:30-10:30	Opening ceremony & Keynote 1 & 2 (Fry Suite), Chaired by Miguel Navarro-Cía	
8:30-9:00	**Opening speeches**	Conference Chairs, TPC Chairs, Int. Advisory Board (Xiaodong Chen), IEEE (Goutam Chattopadhyay)
9:00-9:40	**Keynote 1**	Goutam Chattopadhyay
9:40-10:20	**Keynote 2**	Marianna Ivashina
10:20-10:30	**IEEE Transactions on Terahertz Science and Technology (IEEE-T-TST) promotion talk**	Miguel Navarro-Cía
10:30-11:00	**Coffee break (Fry lounge + Upstairs)**	

Room	Corelli	Fry Suite	Lodge	Pevsner
11:00-12:40	**S1 Advanced Materials & Manufacturing Techniques**	**S2 Antennas**	**S3 (CS-10) Mm-Wave & THz Propagation, Measurements & Channel Modelling**	
	Chairs: Chad Bartlett / Bing Zhang	Chairs: Qingxin Chu / Jingyu Lin	Chairs: Fatemeh Norouzian / Sana Salous	
11:00-11:20	AP-S DL (295): Exploring the Potential of 3D Printing Technologies for Antenna Design and Fabrication - Challenges and Opportunities, Bing Zhang	(3911) Wide-angle Circularly Polarized Beams Cover and High-gain Satellite Communication Metal-framed Mobile Phone Antenna (invited), Zhenghua Rong, Qing Xin Chu, Pei-Lin Yu and Peimin Huang	(3509) Sub-THz Sensing and Classification of Randomly Distributed Spherical Particles, Seyediman Nazerkakhki, James Elgy, Alex Bystrov, Beth Jelfs, Marina Gashinova and Fatemeh Norouzian	
11:20-11:40		(2702) Robustness Analysis of the Matrix Method for Cylindrical Near-Field to Far-	(1409) A Design of Controlled Indoor Millimeter-Wave Channel Measurement	

		Field Transformation, Yancheng Cao and Zhengpeng Wang	System, Daoxiang Wang, Yuan Yao, Pengwei Gong, Chenxi Wang, Kun Zhang, Jianyu Gong and Xiaohe Cheng	
11:40-12:00	(4659) E-Band Liquid Metal-Enabled Reflection-Type Phase Shifter (invited), Yi-Wen Wu	(7654) A Gap-Waveguide-Fed ME-Dipole with Reconfigurable Circular Polarization for Wide-Angle Scanning, Boju Chen and Yi Huang	(5177) Experimental Study of Millimeter- and Sub-THz Wave Propagation Through Vegetation, Fatemeh Norouzian, Edward Hoare, Mikhail Cherniakov and Marina Gashinova	
12:00-12:20	(8208) Recent Progress on Sub-terahertz Tunable Ferroelectric Thin Films, Binbin Hong, Zhifeng Xiao, Tao Zhang, Yuqiao Song, Aiji Wang and Jinxing Zhang	(3458) A Wideband 5-Bit Digital Phase Shifter With 32 States Based on Multi-Mode Resonators, Yanfeng Guan, Sai-Wai Wong, Junchen Luo and Jing-Yu Lin	(8968) Source Reconstruction under Measurement Noise in Antenna Measurements with Nearby Scatterers, Xin Li and Zhengpeng Wang	
12:20-12:40	(7373) Silicon-based THz photomodulators with controlled efficiency and switching speed (invited), John Murphy, Xavier Romain, Edris Khorani, Ailish Wratten, Sophie Pain, Anil Kumar, Ian Hooper, Euan Hendry and Nicholas Grant		(198) Multipath and Beamforming Techniques for Target Height Estimation in Automotive Radar, Anum Pirkani	
12:40-13:45	**IEEE-T-TST sponsored Lunch (Upstairs) / Poster (MacNeice room) / Exhibition (The Composers' Suite)**			
Room	**Corelli**	**Fry Suite**	**Lodge**	**Pevsner**
13:45-15:25	**S4 (CS-3) Mm-THz Wave Vacuum Electron Devices & Physics**	**S5 (CS-2) Advancements in phased arrays & beam steering technologies**	**S6 (CS-4) UK-Korea Special Session on Advanced THz Photonics & Electronics**	**S7 Filters**
	Chairs: Chaohai Du / Zhaoyun Duan	Chairs: Eddie Ball / Sumin David Joseph	Chairs: SaeJune Park / Teun-Teun Kim	Chairs: Zaicheng Guo / Lu Qian
13:45-14:05	(8638) Further Simulation Investigation of a Sheet Beam Electron Gun for 0.22 THz Metamaterial-Inspired Traveling-Wave Tubes, Jinrui Zhang, Jibo Dong, Zhifang Lyu, Shengkun Jiang and Zhaoyun Duan	(2639) Wide Steering 128QAM Direct Digitally Modulated E-Band Time Modulated Array Transmitter, Eddie Ball and Sumin David Joseph	Don Arnone (10 min), TeraView (5025) Quasi-optical THz Spectroscopy Systems for Communication and Non-destructive Applications, Miguel Navarro-Cía	(1961) Filtronic Filter Design Activities: From High-Power Space Systems to Emerging Quantum Applications (invited), Dang Duc Dinh
14:05-14:25	(2092) High-Q Terahertz Multi-Channel Smith-Purcell Radiation Based on Spoof Surface Plasmons, Ji-Tao Yang, Ding-Tao Yang, Yu-Lu Lei and Chao-Hai Du	(1181) A Wideband Dual-Polarized Millimeter-Wave Phased Array with Wide-Angle Scanning Performance, Hong Chuan Ye, Tao Wang and Chunxu Mao	(5566) High-Speed Terahertz Imaging and Sensing Using Fast Time-Delay Techniques, Yeong-Hwan Ahn	(6248) Dielectric Waveguide Bandpass Filter Based on Spoof Surface Plasmon Polariton (invited), Kai-Da Xu and Zeting Li
14:25-14:45	(4010) Concept Design of a 1-MW Rising-Sun Magnetron at 28 GHz for Fusion Plasma Heating, Awais Khan, Jin Zhang and Xiaodong Chen	(5988) Broadband GaAs On-chip E-band Series Fed Antenna Arrays, Sumin David Joseph and Edward A Ball	(2795) Ultrasensitive Terahertz Detection via Superconducting Nonlinearity and Engineered Quantum Nanogaps, Hyeong-Ryeol Park	(4091) Ultra-Narrowband 0.66 THz Waveguide Filter With Wide Spurious-Free Window for Space Sounders and Imagers, Lu Qian, Yongxin Cheng, Simon Rea, Peter Huggard, Hussein Ezzeddine, Bertrand Thomas, Petri Piironen and Yi Wang
14:45-15:05	(8953) Experimental Investigation on Multi-Frequency Terahertz Harmonic Gyrotron, Feng Zhang, Jiaji Feng, Xinyin Cao and Chaohai Du	(1082) Ultra-Broadband Terahertz Beamforming with Optoelectronic Antenna Arrays (invited), Lars Liebermeister, Simon Nellen, Milan Deumer, Garrit Schwanke, Shahram Keynaninia and Robert B. Kohlhaas	(5842) Millimetre-Wave Comb Generated by an Optical Microcomb, Luke Peters, Antonio Cutrona, Luana Olivieri, Andrew Cooper, Fedor Getman, Vittorio Cecconi, Nitish Paul, Debayan Das, Maxwell Rowley, Sai Tak Chu, Brent E. Little,	(5046) An E-band Waveguide Bandpass Filter Using Negative Dispersion-less Coupling Structure, Zai-Cheng Guo, Yongxin Cheng, Yi Wang and Gang Zhang

			Roberto Morandotti, Juan Sebastian Totero Gongora, Alessia Pasquazi and Marco Peccianti	
15:05-15:25		(5486) Multi-dimensional Evolution of Terahertz Active Phased Arrays (invited), Yinian Feng and Bo Zhang	(1730) Terahertz nanogaps for enhanced light-matter coupling and detection of nanoconfined water, Jeeyoon Jeong	(8178) A 3-D Printed Cone-on-Cylinder-Shaped Bandpass Filter With Spurious Suppression, Yongxin Cheng, Lu Qian and Yi Wang
15:25-15:50	**Coffee break (Fry lounge + Upstairs)**			
Room	**Corelli**	**Fry Suite**	**Lodge**	**Pevsner**
15:50-17:30	**S8 (CS-3) Mm-THz Wave Vacuum Electron Devices & Physics**	**S9 (CS-2) Advancements in phased arrays & beam steering technologies**	**S10 (CS-4) UK-Korea Special Session on Advanced THz Photonics & Electronics**	
	Chairs: Han-Qi Feng / Yubin Gong	Chairs: Sumin David Joseph / Eddie Ball	Chairs: SaeJune Park / Teun-Teun Kim	
15:50-16:10	(9870) Development of Novel Metamaterial-Inspired Vacuum Electron Devices (invited), Zhaoyun Duan	(3307) A Concentric-Ring Planar Sparse Active Phased Array Receiver with Aperture and Pattern Reconfigurable Capabilities, Shengqi Gao, Zhuowei Miao, Yiwen Wu, Zhaochen Li and Zhangcheng Hao	(8120) Metasurface lens antenna for cryogenic applications, Chong Li, Mingyan Zhong, Yunan Jiang and Qusay Al-Taai	
16:10-16:30	(5913) Device-Oriented Design of Periodic Electromagnetic Structures via Physics-Regularized Surrogates, Hanqi Feng	(8905) A Rotating Slow-Wave-Structure VICTS Antenna for Broadband Beam Alignment, Zhenzuo Chen, Xinyi Cheng, Yang You, Yunlong Lu, Jian Wang and Yi Wang	(1137) Imaging Collective Quantum Excitations via Terahertz Spatiotemporal Spectroscopy, Taewoo Ha	
16:30-16:50	(2297) Efficient high-power terahertz source based on dual-electron beams and a grating-loaded plasma channel, Mi Tian, Shengpeng Yang, Shaomeng Wang and Yubin Gong	(5587) A Mechanically Reconfigurable Millimeter-Wave Slotted Waveguide Antenna for Wide-Angle Continuous Beam Steering, Evandro Cesar Vilas Boas and Felipe Augusto de Figueiredo	(1631) Topology Optimization for the Automated Design of THz Lens Antennas and High Q/V Resonators, Nikolas Hadjiantoni, Dou Feng, Miguel Navarro-Cía and Stephen Hanham	
16:50-17:10	(5945) Study on Higher-order Mode Suspended Double Meander Slot Line Slow Wave Structure for 1 THz Traveling Wave Tube, Patibandla Anilkumar, Shaomeng Wang, Lixia Yang and Yubin Gong	(883) Localization of Wireless Transmitter with Neural Network and Time-Modulated Antenna Array, Grzegorz Bogdan and Rafał Kutnik	(2378) Non-Hermitian THz Metaphotonics, Teun-Teun Kim	
17:10-17:30	(9856) Efficiency Enhancement in an S-Band Axial Vircator, Domenico Conti and Patrizia Livreri	(619) A 140GHz Scalable Phased Array Based on 1-D Coupled Oscillation Array, Yi Hu, Lihan Wang, Yinian Feng and Bo Zhang (Yiming Fan)	(4323) 3D-printed THz devices for sensing applications, SaeJune Park	
	Free time			

Day 3: 25 Aug	Edgbaston Park Hotel, University of Birmingham			
8:00 – 13:00	Registration (by the main entrance)			
8:30-9:50	Keynote 3 & 4 (Fry Suite), Chaired by Yi Wang			
8:30-9:10	**Keynote 3**	**Wei Hong**		
9:10-9:50	**Keynote 4**	**Sana Salous**		
9:50-10:10	**Coffee break (Fry lounge + Upstairs)**			
Room	**Corelli**	**Fry Suite**	**Lodge**	**Pevsner**
10:10-11:50	**S11 (CS-5) Recent Advances in Metamaterial & Metasurface-Based Antennas & Devices from Mm- to THz Band**	**S12 (CS-6) MMIC & IC Packages**	**S13 Sensors and Systems for Industrial Applications**	**S14 (CS-7) Biomedical and Healthcare Applications**
	Chairs: Mustafa K. Taher Al-Nuaimi / Shaker Alkaraki	Chairs: Alex Koala / Jianfeng Qian	**Chairs:** Stephen Hanham / Zhongqian Niu	Chairs: Rola Saad / Yang You
10:10-10:30	(8503) Mutual Coupling Aware Design of Multifunctional Millimeter Wave Metasurfaces (invited), Miguel Beruete, Damián E. Rodríguez-Trujillo, Alicia E. Torres-García and Jorge Teniente	(3166) 3D-Printed Packaging Modules for Terahertz Applications, Daiki Ichikawa	(6537) Basic Study of Misalignment Correction Methods in Near-Field Rectangular Orthogonal Mode Multiplexing, Gen Nakayama, Jiro Hirokawa, Takashi Tomura, Edward A. Ball and Stephen Henthorn	(5516) A Low-cost Optically Transparent Reflectarray Antenna for 6G mmWave Applications, Amitesh Kumar, Pritom J. Bora, Aakash Bansal and Will Whittow
10:30-10:50	(9234) Terahertz spectroscopy with compact metasurface spectrometer (invited), Yuan Ren	(1206) High-power coherent emission from two-dimensional resonant tunneling diode oscillator arrays, Jahnabi Hazarika, Zhenling Tang, Fanqi Meng, Safumi Suzuki and Hartmut Roskos	(7802) Research on Ultra-Wideband Front-End Technologies for Millimeter-Wave Test Instruments (invited), Zhongqian Niu	(2317) A Novel Miniaturized UHF RFID Tag Antenna for Wearable Applications, Chao Qun Li and Hao Ran Zhu
10:50-11:10	(341) CMA-Guided Co-Design of Antenna and Metasurface for Dual-Circular Polarization at Millimeter Wave, Meha Agrawal, Ravi Yadav, Slawomir Koziel and Anna Pietrenko Dabrowska	(3920) Modular approach to GaN MMIC packaging and stabilization, Alex Koala, Jonathan Rhodes and Jayakrishnan Chandrappan	(8979) A Microfluidically Integrated Millimetre Wave Sensor for High-Sensitivity Label-Free Microparticle Detection (invited), Qinyu Wang, Bin You, Wen Sun and Lingling Sun	(8132) High-Performance Aerosol-Jet-Printed Flexible Antenna Arrays on Kapton Substrates, Zhengqing Wang, Salam Khamas and Rola Saad
11:10-11:30	(8410) Performance Analysis of Single and Multi-Phase Impedance Modulation-Based Metasurface Antenna, Subhadrita Ghosh and Okan Yurduseven	(7815) Comparative Analysis of In-situ SiN- and GaN-caped AlGaN/GaN Schottky Barrier Diodes for Sub-THz Applications, Abdalla Eblabla, Arthur Collier, Aasif Bhat and Khaled Elgaid	(2746) Enabling Extreme-Environment Millimetre-Wave Systems with Ultra-Wide-Temperature CMOS Data Converters (invited), Yiming Fan	(3446) Dual-Band Metallic Open Slot Antenna for Microwave-Induced Thermoacoustic Imaging, Lingguo Min, Yang You, Olumide Ogunlade, Yunlong Lu, Yi Wang and Jian Wang
11:30-11:50	(9590) Semi-Analytical Design of Layered Metagrating Absorber for Wide-Angle Microwave Absorption, Ravi Yadav, Meha Agrawal, Slawomir Koziel and Anna Pietrenko Dabrowska		(1139) Next-Generation Ultrathin THz Optical Elements for Industrial and Research Applications (invited), Elena Mavrona	(7759) Plasmonic Nanoantennas for Biomedical Applications: Design and Electromagnetic Analysis for Biomarker Sensing, Marco Scalici, Giuseppe Paterna and Patrizia Livreri
11:50-12:10	**Conference photo (Fry Suite or Garden)**			
12:10-13:15	**Lunch (Fry lounge + Upstairs) / Poster (MacNeice room) / Exhibition (The Composers' Suite)**			

Room	Corelli	Fry Suite	Lodge	Pevsner
13:15-14:55	**S15 Reconfigurable Metasurfaces**	**S16 Mm-wave & THz Active Devices**	**S17 (CS-9) MM-Wave & THz Passive Components & Systems**	**S18 Sensing and Imaging**
	Chair: Abdul Jabbar / Zaid Akram	Chairs: Farshad Eshghabadi / Marianna Ivashina	Chairs: Zhuo-Wei Miao / Yang Yu	Chairs: Miguel Beruete / Adrian Dobroiu
13:15-13:35	(3681) Dynamic Metasurface Antenna Enabled Real-Time 60 GHz Wireless Video Streaming: A System-Level Demonstration with USRPs and mmWave Front-Ends, Abdul Jabbar	(652) A 110–140 GHz Wideband 100 mW SiGe D-Band Power Amplifier for 6G Satellite Links (invited), Farshad Eshghabadi, Jim Mayock, Pratik Deshpande, Simon Chan and Hui Wang	(4373) A Piezo-Motor Driven 500-600 GHz SP3T Waveguide Switch for Radiometric Calibration (invited), Yang Yu, Yi Wu, Shixiong Liang and Kaixue Ma	(7464) A design methodology for dispersion matching at SSPP interfaces for on-chip terahertz sensors (invited), Levi Smith
13:35-13:55	(4620) Design of a Milimeter-Wave 1-bit Reconfigurable Double Layer Dipole Metasurface, Marcellina Titasari, Titasari, Irsat Gulen, Costas Constantinou, Alexandros Feresidis	(8377) Demonstration of a Split-Gate Power Amplifier using Four Independent Gates, Aquila Powell, Roberto Quaglia and Ehsan Azad	(7673) A 180-260-GHz Double Symmetrical OMT Based on Four Reverse Couplers, Jicong Zhang, Bo Zhang, Yinian Feng, Zhongqian Niu and Yong Fan	(2803) Imaging and sensing applications of terahertz waves using resonant-tunneling diodes, Adrian Dobroiu and Safumi Suzuki
13:55-14:15	(2012) A 1-Bit Via-Free Active RIS Unit Cell for Next-Generation Beamforming and Smart Wireless Environments, Abdoalbaset Abohmra, Zaid Akram, Jalil Kazim, Muhammad Imran, Senad Bulja and Qammer H. Abbasi	(6211) Design and Test of a 73 GHz Push-Push Oscillator Using Voltage Controlled Tuning Without Varactors, Eddie Ball and Sumin David Joseph	(4977) A D-Band Air-Filled Coaxial Line Based on Gap Waveguide Technology, Haowei Li, Chao Gu, Simon L. Cotton, Fatemeh Moradiani, Lei Liu, Zhiwei Zhang and Zhongxia Simon He	(4839) Towards High Dynamic Range Terahertz Detection using Rydberg Atomic Vapour, Alicja Antczak, Aaditya Mishra, Miguel Navarro-Cia and Amita Deb
14:15-14:35	(5369) Plasma-Based Reconfigurable Intelligent Edges for Blind-Spot Coverage, Krushna Kanth Varikuntla, Muhammad Ali Babar Abbasi, Simon Cotton and Okan Yurduseven	(6751) Power Amplifier Design Strategy for Satellite Multibeam Active Antenna Arrays (invited), Weiguang Song and Haijun Fan	(6412) Development of Passive WR1.5 Waveguide Components (500-750 GHz), Alvaro Ignacio Olivares Olivares, Giuseppe Virone, Oscar Antonio Peverini, Mauro Lumia, Francesco Modica and Alessandro Guida	(3774) Characterising Anion Exchange Membranes Using Humidity-Controlled Terahertz Time-Domain Spectroscopy, Mozhdeh Mohammadpour, Sian A. Franklin, Yingdan Cui, William E. Mustain, George A. H. France, John R. Varcoe and Hungyen Lin
14:35-14:55	(7053) Spatio-Temporally Modulated Metasurfaces: A Paradigm Shift in mmWave/Terahertz Communications and Sensing (invited), Mohammad Neshat	(9357) Design considerations of 1.9 THz frequency multiplier chain, Maxime Missoum, Jeanne Treuttel, Lina Gatilova and Martina Wiedner	(6228) A Twist-Integrated G-Band Waveguide Diplexer for Terahertz Atmospheric Profiling Sounders, Yang Yu, Jingyi Liu, Yi Wu, Shixiong Liang, Dongqi Gu and Kaixue Ma	(2004) THz Material Properties of Sintered Ceramics as a Function of Water Content, Emil John Magaway, Alperen Sari, Aleksander Cendrowicz, Zhenyu Zhang and Miguel Navarro-Cía
14:55-15:15	**Coffee break (Fry lounge + Upstairs)**			

Room	Corelli	Fry Suite	Lodge	Pevsner
15:15-16:55	**S19 Materials & Metamaterials**	**S20 (CS-8) Glass-based Devices & Packaging Technologies**	**S21 (CS-9) MM-Wave & THz Antennas**	
	Chairs: Lucy Hale / Jinxing Zhang	Chairs: Jingyu Lin / Chunxu Mao	Chairs: Yi-Wen Wu / Qingchun You	
15:15-15:35	(6936) Ultrastrong and Deep Strong Light-Matter Interaction in Two-Dimensional Electron Systems (invited), Lucy Hale, Elsa Jöchl, Felix Helmrich, Ethan Koskas, Frieder Lindel, Johan Andberger, Anna-Lydia Vieli, Deniz Turan, Mona Jarrahi, Mattias Beck, Jerome Faist and Giacomo Scalari	(433) Recent Development of RF On-Chip Filters on Glass Substrate, Jingyu Lin and Yi Wang	(8797) Millimeter-Wave Integrated Beamforming Arrays: Fundamentals, Architectures and PrototypeS21s (invited), Jun Xu, Pinpin Yan, Jixin Chen, Liang Gao, Yan Huang and Wei Hong	
15:35-15:55	(8237) Type-printable Ferroelectric Metasurface (invited), Jinxing Zhang	(3333) Heterogeneous Integration for D-Band Communications: A Broadband Metasurface AiP on Glass Interposer, Sumin David Joseph, Edward A Ball and Lee Ford	(5018) Ultra-Wideband Dual-Polarized Array Antenna for Ku/K/Ka-Band Satellite Communication, Qingchun You, Yang Hu and Yi Wang	
15:55-16:15	(4888) Photonic terahertz detection using quantum phenomena in two-dimensional electron gases (invited), Wladislaw Michailow, Ran Chen, Ruqiao Xia, Matthew Tan, Zhe Wang, Ben Beddoes, Saptarsi Ghosh and David Ritchie	(9253) W-Band Horn Beam-Forming Network Fed Wide-Angle Multibeam Metasurface Antenna Enabled by Through-Glass Via Technology, Chun Geng, Ji-Wei Lian and Dazhi Ding	(5966) A 300-GHz Multibeam Transmitter Using Multifocal Transmitarray, Jiahui Zhao, Zhuowei Miao, Yiwen Wu and Zhangcheng Hao	
16:15-16:35	(7263) Direct Excitation of Topological Modes via the Metamaterial, Joshua Barrass, Miguel Navarro-Cía and Costas Constantinou	(7953) D-band Broadband On-Chip Antenna Arrays Based on Glass Substrate Technology, Haozhen Wang and Xiao Fang	(8458) A Compact High Selectivity Magnetoelectric Dipole Filtenna for 5G Millimeter-Wave Applications, Jing-Jing Zhang, Zhang-Cheng Hao and Zhuo-Wei Miao	
16:35-16:55			(8330) A Millimetre-Wave Phased-Array Antenna Using a Reconfigurable Slow-Wave Structure, Fayyadh H. Ahmed and Salam Khamas	
18:30 – 21:30	**Gala Dinner including Closing Ceremony and Awards (Birmingham City Centre / The Exchange)**			

Day 4: 26 Aug	Engineering Building (Y8 on the Edgbaston campus map), (Room 330), University of Birmingham	
9:00-15:30	**Metamaterials Shaping the future of Aviation and Space Technologies** by the Microwaves and THz Metamaterials Special Interest Group and the Space and Aviation Challenge Area from the UK Metamaterials Network+	**Social Event (9:00-17:00)** Edgbaston Park Hotel → Stratford-upon-Avon → Warwick → Edgbaston Park Hotel

Poster Sessions

24 Aug	Edgbaston Park Hotel		
	Poster session – 1 (MacNeice Room)		
Poster No.	Chairs: Shashwat Sharma		
P1	8376	Quanshi Qin, Shi Pu, Haoda Xia and Shuang Zeng	Design of Multi-directional Reflective Metasurface Based on Attention-KAN-CNN Phase Prediction Model
P2	5226	Jihong Gu and Jiwei Lian	Characteristic Mode-Based Electromagnetic Reconstruction Method for Complex Lossy Dielectric Structures
P3	1867	Kai Fu, Da-Wei Wang and Wen-Sheng Zhao	Machine-Learning-Assisted Free-Form Filter Design
P4	2161	Hao Weng and Rui Wu	A Low-Profile Co-planar Shaped-aperture Dual-Band Base Station Antenna: Restoring Relatively Independent Boundary Conditions to Suppress Mutual Coupling
P5	6342	Wang Dan, Xia Xiaoxuan, Ma Zhewang, Liu Fan, Zeng Fanjie and Wen Pin	Hybrid Global-Local Optimization Based on Hierarchical Surrogate Model for Bandpass Filter Design
P6	9020	Minghui Xu, Qingchun You, Zhenzuo Chen, Yunlong Lu, Zhenzhong Chen and Yi Chen	Broadband Polarization Synthesis Network With Low Polarization Angle Deviation
P7	8086	Yu-Qi Ma, Zhi-Hong Tu, Huan-Bin Wang and Fu-Chang Chen	A Compact Millimeter-Wave Dual-Polarized Magnetoelectric Dipole Phased Array
P8	800	Zhi Zhao, Ji-Wei Lian, Jihong Gu and Dazhi Ding	A Stacked Metasurface-Enabled Ultra-Wideband Millimeter-Wave Antenna Array Using an Equivalent-Circuit Model
P9	6364	Rasoul Fakhteh Balasi and Yi Wang	A Reconfigurable PRS-Loaded Patch Antenna Enabled by Liquid Metal for Beam Steering
P10	4677	Zhichao Sun, Ningning Yan, Yu Luo and Kaixue Ma	Dual-Wideband Fabry-Pérot Resonator Antenna with Independent Dual-Port Feeding

P11	8187	Xiwen Fu, Shengyuan Luo, Yingsong Li and Adrian Bekasiewicz	Self-Decoupling for Dual-Element ±45°Polariazation Array
P12	3526	Muhammad Husnain, Syed Shahan Jehangir, Abdulrahman S. M. Alqadami, Rifaqat Hussain, Jibran Khan Yousafzai, Akram Alomainy and Muhammad Ikram	Design of an SIW-based Frequency-Scanning Millimeter-wave MIMO Antenna for 5G Applications
P13	6399	Ali-Abdullah Albarakati, Salam K. Khamas and Rawad Asfour	Polarisation Reconfigurable Dielectric Patch Antenna for Millimetre-Wave Applications
P14	9404	Chuntian Huang, Yuan Zheng, Chengkun Bian, Yinyu Zhang, Shaomeng Wang and Yubin Gong	Generation of High Current Density Miniature Electron Beams for THz TWTs
P15	6605	Ling Jiang, Xingyu Guo and Yan Teng	Dynamic Terahertz Beam-Number Switching via a Graphene Metasurface
P16	1476	Juanfeng Zhu, Yu-Lu Lei and Chao-Hai Du	Chiral free-electron radiation
P17	1041	Ali-Abdullah Albarakati and Salam K. Khamas	A High-Isolation Low-Profile Circularly Polarized MIMO Dielectric Patch Antenna for mmWave IoT Applications at 38 GHz with Decoupling Structure

25 Aug	**Edgbaston Park Hotel**		
	Poster session – 2 (MacNeice Room)		
Poster No.	Chairs: Qingchun You		
P1	550	Hang Yu, Rola Saad and Edward Ball	Thinned Coding Patterns for Reflection Magnitude Control in a Multi-Functional Reconfigurable Reflective Surface
P2	612	Md Tarek Hassan, Dmitry Zelenchuk, George Travers, Muhammad Ali Babar Abbasi and Gabriel Goncalves Machado	Experimental Validation of Localisation in RIS-Assisted mmWave Networks
P3	1441	Rui Yu, Guanghui Xu, Yingsong Li, Adrian Bekasiewicz, Gaonian Zhang and Wei Li	Reflective Metasurface Holography Based on Angular Spectrum Diffraction Method
P4	768	Bo Yin, Tianchang Li and Jia Ran	A Huygens-based Terahertz Metasurface for Anomalous Transmission
P5	4972	Zhe Zhao, Dong-Xin Ni, Zhao-Xiang Ren, Yin-Shan Huang, Wang-Wen Xu and Liang Zhou	A Transmitter and Receiver Based on 3-D Heterogeneous Integration
P6	7805	Harshwardhan Kamble, Murat Celep, Daniel Stokes, Xiaobang Shang and Yi Wang	Mm-wave and Sub-THz Metrology Power Sensors
P7	2769	Zixin Liu and Cheng Guo	A D-Band GSG Probe Fabricated by Micro-Metal Additive Manufacturing
P8	1126	Yuchi Zhang and Bo Zhang	A DC-100 GHz Ultra-Wideband Contiguous Triplexer based on highpass waveguide

P9	2698	Bo Situ and Fu-Chang Chen	A High Selectivity Dual-band Filter Based on a Strongly Coupled Structure
P10	3931	Soumojit Ghosh, Dhruba Das and Amitesh Kumar	A CNC-Compatible Wideband Waveguide Hybrid Coupler for Sub-Terahertz Space Applications
P11	9672	Patrizia Livreri, Luigi Miano, Antonino Pietro Sausa and Alessandro Di Mitri	Design of a Compact Top-Bottom 2-way and 4-way Slotted Waveguide Power Combiner for Ka-Band Spatial Applications
P12	4113	Wei Yu, Fangfeng Li and Wenxuan Gao	Differential-/Common-Mode Excitable Four-Way Duplexing Power Divider
P13	3415	Qusay Raghib Ali Al-Taai, Jue Wang, Abdullah Al-Khalidi, Qammer Abbasi and Edward Wasige	CPW Branch Line Coupler Design, Simulation, and Fabrication for Future RTD-Based Reflection Amplifier Applications
P14	2464	Rongkun Yuan and Yi Huang	All-Metallic Groove Metasurface with Tightly Confined Plasmonic Mode for High-Sensitive Terahertz Sensing
P15	1734	Abid Raza, Marcos Tavaras de Melo, Ignacio Llamas-Garro, Gabriel Goncalves Machado, Lauro Rodrigo Gomes da Silva Lourenço Novo and Lucas Martins Castelo Branco	Design and Optimization of a MWCNT-Integrated Dual Microwave Resonator Sensor for Methanol Gas Detection
P16	5892	Amal Swileh, Rola Saad, Fayyadh H. Ahmed and Salam K Khamas	Evaluation of sub-6GHz Compact Patch Antenna for Non-Invasive Blood Sensing
P17	9908	Zechuan Bin, Tinggui Yin, Tang Fu, Qiyu Zhang and Min Hu	Time-Resolved Measurement of Ultrafast Photocurrent in Multilayer MoSe2 Devices
P18	8110	Jiaqi Wang, Yuan Yao and Xiaohe Cheng	Physical Analysis of Terahertz Sensitivity to Blood Glucose in Multi-Layer Skin: A Transfer Matrix Approach