

Session Title:		Technical Poster Session:2
Session Chair(s):		Jogesh Chandra Dash (NIT Rourkela, India)
1571173802	Tu-TP-S1.1	Surface Resistance Mapping of Graphite Battery Cathodes with a 10 GHz Inverted Single Post Dielectric Resonator Scanner Lukasz Nowicki (QWED, Poland), Corinne Nouvellon (Materia Nova, Belgium), Malgorzata Celuch (QWED, Poland), Fabien Monteverd (Materia Nova, Belgium), Bartlomiej Salski (Warsaw University of Technology, Poland)
1571181413	Tu-TP-S1.2	Dual Sequentially Rotated Feed CP Antenna Array Anurag Sahu and Arvind Kumar (Visvesvaraya NIT, India)
1571183943	Tu-TP-S1.3	Spin-Wave Mediated Microwave Antennas: A New Paradigm in Smart Antenna Engineering Rakesh Kumar Nayak and Abhishek Maurya (IIT BHU, India), Diptiranjan Samantaray (University of Delhi, India), Somak Bhattacharyya, Rajeev Singh and Biswanath Bhoi (IIT BHU, India)
1571173404	Tu-TP-S1.4	Design of Helix SWS for Compact Ka-Band Space TWT Dimple Yadav (Banasthali Vidyapith, India), A. Mercy Latha (CEERI, India), Meenu Kaushik and Vishant Gahlaut (Banasthali Vidyapith, India), Sanjay Ghosh (CEERI, India)
1571173410	Tu-TP-S1.5	Realization of Temperature Compensated L2 Band Coaxial Circulator Md Ehsanul Haque and Ashish Jain (ISRO, India)
1571173417	Tu-TP-S1.6	An LCR Readout with Frequency Switching for Two-Terminal Multimodal Sensors Lekshmi V, Ranjith K R and Jose Joseph (Digital University Kerala, India)
1571173423	Tu-TP-S1.7	3-Watt Compact X-Band GaN HEMT Front End MMIC Pritam Kumar Sinha, Akhilendra Krishna, Rakhi Kumari, Poonam Singh, Umakant Goyal (DRDO, India), Sangam Bhalke (GAETEC, India), Devendra Verma, and Meena Mishra (DRDO, India)
1571173434	Tu-TP-S1.8	Dual-Band SIW Bandpass Filter with Spurious Mode Suppression via Orthogonal Feeding RVNR Suneel Krishna, Sankar Peddapati and Krishna Chaitanya Anantatmakula (NIT Andhra Pradesh, India), Yuvaraj S (IIITDM Kancheepuram, India)
1571173518	Tu-TP-S1.9	PLL Implementation for IF Stability in Interferometer Kiran Patel, UmeshKumar Chandulal Nagora, Sagar Zope and Jinto Thomas (Institute for Plasma Research, India)
1571173536	Tu-TP-S1.10	GaAs-Based Low Noise Amplifier Design for X-Band Phased Array Radar Sowjanya K and Paramesha P (Central University of Karnataka, India)
1571173874	Tu-TP-S1.11	Self-Spurious Coupling Compensation Technique for Coaxial Cavity Resonator Filter Dinesh Kumar Singh, Dharmendra Singh and Jignesh S. Bhatt (IIIT Vadodara, India)
1571173910	Tu-TP-S1.12	Compact Broadband 1/64 Mode SIW 4 Way Power Divider with Multiple Feed Strategies and Extensions to 3 and 5 Way Power Divisions Soumyadeep Ghosh and Sukomal Dey (IIT Palakkad, India)
1571173584	Tu-TP-S1.13	High-Isolation Multiband MIMO Mobile Phone Antenna for 2G, 3G, 4G, 5G, and 6G Applications Sonali Arya, Prashant Kumar Singh, Jyoti and Ashwani Kumar (University of Delhi, India)
1571173615	Tu-TP-S1.14	Angle-Dependent BER Performance of Time-Modulated Linear Antenna Arrays with Multi-Harmonic Beams Kannarao Shatarasi, Gopi Ram and Arun Kumar Gande (NIT Warangal, India), Guy Vandebosch (Katholieke Universiteit Leuven (KU Leuven), Belgium)
1571173687	Tu-TP-S1.15	Compact UWB MIMO Antenna Using Fractal Structures for Isolation Improvement Jeet Banerjee (Adamas University, India), Rowdra Ghatak (NIT Durgapur, India)
1571173795	Tu-TP-S1.16	Wide Scan Stacked Patch Phased Array Antenna for Tile Array Naveen Kumar Vishwakarma, Pooja S. V., Pramod Kumar, Manjushree Tamang and Beenamole K S (DRDO, India)
1571174655	Tu-TP-S1.17	Semi-Circle Monopole Antenna with Tilted Microstrip Feed for Circularly Polarized and X-Band Gain Boosting Kalyan Mondal and Thingbaijam Sharaju (NIT Manipur, India)
1571175598	Tu-TP-S1.18	An Efficient Lightweight All-Metal 1-50GHz Vivaldi Antenna for Airborne Application Krithika Penagaluru (BMS College of Engineering, India), Vijay Kumar Sutrar (DRDO, India)
1571180535	Tu-TP-S1.19	Isolation Enhancement of Microstrip Patch Antenna Array Using M-Type Barium Hexaferrite for Continuous Wave Radar Applications Navdeep Singh (CSIR-Institute of Minerals and Materials Technology, India), Sankarsan Padhy (DRDO, India) and Anil Kumar Chaubey (CSIR-Institute of Minerals and Materials Technology, India)
1571183597	Tu-TP-S1.20	CFD Based UAV Aerodynamic Profiling with Concurrent UAV Detection Using FMCW Radar

		Anudeep Bellary, Srivani Kothidigi, Humesh Sanaboyina and Santosh Kumar Pradhan (Altair Engineering India Pvt. Ltd., India)
1571183616	Tu-TP-S1.21	Self Decoupled Arrow Head Shaped MIMO Antenna for Wi-Fi 6E Applications Harikrishnan P R, Parambil Abdulla, Anitha George and Anju Iqbal (CUSAT, India)
1571183861	Tu-TP-S1.22	Choke Ring Loaded Crossed Dipole Antenna with Low Multipath Effects Rachita Tripathy (NIT Rourkela, India), Sravan Kumar Sagi (ISRO, India), Sajith P (ISRO, India), Situ Rani Patre (NIT Rourkela, India)
1571183937	Tu-TP-S1.23	Design and Analysis of a 2x2 Circularly Polarized Microstrip Antenna Array Using Different Substrates for IoMT Applications Sasmita Kumari Nayak, Varigala Sai Charan Gupta and Sanjeev Mishra (International Institute of Information Technology Bhubaneswar, India)
1571184058	Tu-TP-S1.24	A QV-Band Dual-Polarized Cassegrain Reflector Antenna for New Space Satellite Ground Station Applications Alexander Chen, Yonghui Shu and Dhanraj Doshi (Eravant, USA)
1571184164	Tu-TP-S1.25	Investigation on Printed Circular Loop Antenna and Its Comparison with Annular Ring Monopole Antenna Ajay Prudhvi Raj Pasupula, Kamla Prasan Ray and B H V S Narayana Murthy (DIAT, India)
1571173483	Tu-TP-S1.26	A Broadband Hybrid Metamaterial Microwave Absorber for Stealth Applications Kanupriya (AcSIR, India), Shreya Negi, Dhairya Singh Arya and Nalini Pareek (CSIR CSIO, India)
1571173636	Tu-TP-S1.27	Multifunctional Reflective Polarization Converter Using Ultrathin FSS for X/Ku/K Bands Vishal Singh, Sagar Bhattacharya and Thottappan M (IIT BHU, India)
1571173685	Tu-TP-S1.28	Narrowband, Dualband, and Broadband SRR Metamaterial for Mitigation of RF Blackout Nagavelly Tarun Teja and Amarjit Kumar (NIT Warangal, India)
1571173926	Tu-TP-S1.29	Dual Polarised Metasurface Antenna with Multi-Beam Using Surface Wave Duplexing Ravikanth Thanikonda, Enrica Martini and Stefano Maci (University of Siena, Italy)
1571182172	Tu-TP-S1.30	Characteristic Mode Assisted Design of Dual-Band 5G-Compatible Frequency Selective Surface Arun Kumar Dhupam (Raghu Engineering College, India), Sandip Ghosal and Sudipta Maity (NIT Rourkela, India)
1571182553	Tu-TP-S1.31	Design and Analysis of a Polarization and Frequency-Selective Reconfigurable Metasurface Roopeshwar Megadula, Jeet Ghosh, Gopinath Samanta (LNM Institute of Information Technology, India), Padmaja Bikkuri (Gitam University, India)
1571183498	Tu-TP-S1.32	Millimeter-Wave Dielectric Huygens' Metasurface for Symmetric Beam Splitting Abhishek Sharma (IIT Jodhpur, India)
1571183797	Tu-TP-S1.33	Design of a Dual Passband Metasurface in L Band Vishnu Kumar Mishra and Ravi Kumar (IIT BHU, India), Biswajeet Mukherjee (Delhi University, India), Vinit Kumar, Praveen Ambati and Jolly Dhar (ISRO, India), Thottappan M and Somak Bhattacharyya (IIT BHU, India)
1571183819	Tu-TP-S1.34	A Wideband Perfect Terahertz Absorber Using Graphene Based Metasurface Nikita Das (Guru Ghasidas Vishwavidyalaya, Bilaspur, India), Ajeet Singh Verma and Somak Bhattacharyya (IIT BHU, India)
1571173930	Tu-TP-S1.35	Reconfigurable Microwave Hybrid Systems via Magnetization-Tuned Photon-Magnon Coupling Sachin Verma (IIT BHU, India), Garima Yadav (NIT Rourkela, India), Abhishek Maurya, Rajeev Singh and Biswanath Bhoi (IIT BHU, India)
1571188611	Tu-TP-S1.36	Effect of F/D Ratio on Collimation: A Quantitative Study Naren Sabarish Baskaran, Krishnamoorthy Chitti and Subramanian Venkatachalam (IIT Madras, India)
1571183385	Tu-TP-S1.37	Design of Circularly Polarized Graphene-Based SIW-MIMO CDRA for THz Applications Yakub Banoth and Amarjit Kumar (NIT Warangal, India), Dmitry Kholodnyak (Saint Petersburg Electrotechnical University LETI, Russia)
1571183426	Tu-TP-S1.38	Performance Analysis of Photonic Architectures for Radio Frequency Self-Interference Cancellation in Frequency Modulated Continuous Wave Radars Mahesh Lunavath, Rupam Biswas, Chiranjeevi Damacherla and Ranu Tyagi (BEL, India)
1571184831	Tu-TP-S1.39	Finite Element Analysis of Time-Dependent Gross-Pitaevskii Equation Madhu Bhatt and Sayak Bhattacharya (IIIT Delhi, India)
1571173067	Tu-TP-S1.40	Tracking and Classification of Activities Using Wearable UWB Technology with CRLB-Based Estimation Performance Analysis Yashika Chauhan and Deepika Sipal (Delhi Technological University, India)
1571173094	Tu-TP-S1.41	Highly Directive V-Band Fabry-Perot Cavity Antenna for Train-to-Train Communication Zahoor A. Pandit Jibran (Université Gustave Eiffel, France), Kumud Ranjan Jha (Shri Mata Vaishno Devi University, India), Satish K. Sharma (San Diego State University, USA)

1571173576	Tu-TP-S1.42	MIMO-OTSM: LMS Based Decision Feedback Equalization in Quasi Static Channels Sapta Girish Babu Neelam (BEL, India)
1571167965	Tu-TP-S1.43	An Antenna Testing System for Antenna Array Applications Solon Spiegel and Neeraja Peddinti (VASBEAM PVT LTD, India)
1571173115	Tu-TP-S1.44	Broadband Emissivity Analysis of Black Body Target Materials for Calibration of Michelson Interferometer Diagnostic Abhishek Sinha (Institute for Plasma Research, India), Abdul Shabir (Centre for Reliability Science and Technologies, Taiwan), Surya Pathak and Kumar Ajay (Institute for Plasma Research, India)
1571184977	Tu-TP-S1.45	THz Biomedical Sensing for Early Cancer Detection Using Plasmonic and Slot Nanoantennas Chayanika Baishya, Amarnath Kumar, Sisir Kumar Nayak and Harshal B. Nemade (IIT Guwahati, India)
1571173533	Tu-TP-S1.46	Theoretical and Simulation Based Analysis of Biochar-Polymer Based Composite for Electromagnetic Shielding Application Tejaswini Narendra Patel, Mahesh B Hasani, Purnanand Bhale and Kirti Inamdar (S.V.N.I.T., India)
1571184097	Tu-TP-S1.47	Defected Ground Metasurface for RF Energy Harvesting Vineesh K Vinod, Aneesh Kumar R and Chinmoy Saha (IIST, India)
1571173505	Tu-TP-S1.48	Comparison of Schumann Resonance on Mars and Venus Roshni M and Jayesh Pabari (Physical Research Laboratory, India)
1571184018	Tu-TP-S1.49	Re-Defining R: Resource-Efficient Modulation Classification Using Bin-Based Envelope Features Srinivas Rahul Sapireddy (University of Missouri Kansas City, USA), Surekha G (Gokaraju Rangaraju Institute of Engineering and Technology, India), Hemanth Bandi (University of Minnesota Twin Cities, USA)

12:00

LUNCH BREAK (13:00-14:00)