

Session Title:		Technical Poster Session-3
Session Chair(s):		Debi Dutta (University of Pisa, Italy)
1571184497	We-TP-S1.1	Serial Interface for High Speed Data Convertors (AFE7950) with Logic Devices (Polarfire FPGA) Yamuna Shanker Kumawat, Dhruva Anantha Datta and Rajat Arora (ISRO, India)
1571184820	We-TP-S1.2	Dual Circularly Polarized High Gain Impedance Modulated Metasurface Based Leaky-Wave Antenna for Dual Azimuthal Plane Radiation Ashwani Kumar and Anjana Krishna (IIT Jodhpur, India), Swarnadipto Ghosh (University of Ghent, Belgium), Soumava Mukherjee (IIT Jodhpur, India), Chinmoy Saha (IIST, India)
1571178908	We-TP-S1.3	Interdigitated Capacitors on Quartz Glass Substrates for Millimeter-Wave Applications Vinitha Johny and Niels Neumann (Clausthal University of Technology, Germany)
1571182529	We-TP-S1.4	Early Breast Cancer Detection Using Ultra-Wideband Textile Antenna Pawan Kumar Jaiswal and Rajarshi Bhattacharya (NIT Patna, India)
1571182727	We-TP-S1.5	Digitally Programmable FinFET/MTJ Voltage Controlled Oscillator for UWB Receiver Sandhya Kannaujiya, Priyanka Tiwar, Kavindra Kandpal, Prasanna Kumar Misra (IIIT Allahabad, India)
1571183467	We-TP-S1.6	2D Patch Antenna Fabrication Using Low-Cost Vinyl-Mask by UV Lithography Praveen Kitti B, Sravani Nagireddy, Sai Lakshmi Janga, Shaik Mohammad Abzal, Chatla Monica and Rupesh Kumar (SRM University AP, India)
1571183936	We-TP-S1.7	W-Band Transition Design Integrating Microstrip, Groove Gap Waveguide and Rectangular Waveguide for Compact MMIC Interfaces Prithvisha Gupta (Heritage Institute of Technology, India), Shubhanshi Jain (IISc, India), Manas Sarkar (ISRO, India), Chinmoy Saha (IIST, India)
1571184098	We-TP-S1.8	Design and Emission Studies of Magnetron Injection Gun for a 60 GHz, 100 kW CW Gyrotron Ravinder Beemagani (IIT Tirupati, India), Kavitha Panjagari (CVR College of Engineering, India), Abhishek Jha (IIT Tirupati, India), S Yuvaraj and Kartikeyan Machavaram Venkata (IIITDM Kancheepuram, India)
1571184353	We-TP-S1.9	Monolithic Microwave Integrated Circuit Packaging for Next Generation Communication Paulami Sarkar and Arun Kumar (SAMEER, India)
1571184428	We-TP-S1.10	A Simple and Optimization-Less Technique for Multi-Harmonic Suppression in Hairpin-Line Bandpass Filter Arjun Sadasivan, Shruti Sinha, Mukesh Patel and Ch.V.N. Rao (ISRO, India)
1571184498	We-TP-S1.11	Development of High Voltage Test Bench for High Power mm Wave Gyrotron Testing Awadhesh Kumar Baranwal, Naveen Kumar Sharma, Tapas Ranjan Swain, Nani Medicherla, Ranjan Kumar Parida, Ramray Hansdah, P Sidharthan, Santanu Karmakar and S K Datta (DRDO, India)
1571184242	We-TP-S1.12	Design and Analysis of a Single-Feed TM-Mode Annular Ring Antenna with Circular Polarization for 2.4 GHz Wireless Applications Raj Aryan, Deepankar Shri Gyan, Ajay Prudhvi Raj Pasupula, Kamla Prasan Ray (DIAT, India)
1571184514	We-TP-S1.13	Z-Slotted Circular Patch Antenna with DGS for Mid-5G Band Communication and Polyflon Cuflon Layer for Gain and Efficiency Improvement Atanu Chowdhury (Calcutta Institute of Technology, India), Prashant Ranjan (University of Engineering & Management, India), Dinesh Yadav (Manipal University Jaipur, India)
1571184563	We-TP-S1.14	Analysis of an Inhomogeneous Cylindrical Circular Microstrip Antenna Mirza Wazed Ahmed Begg and Sudipta Maity (NIT Rourkela, India)
1571184625	We-TP-S1.15	High-Gain Compact CPW-Fed Antenna for UHF FOPEN Radar Systems Ashwitha K. Shetty, Madhusudhan Goud Rangula, Princy Paul, Krishnamoorthy Kandasamy and Pathipati Srihari (NIT Karnataka, India), Choon Sik Cho (Korea Aerospace University, South Korea)
1571184631	We-TP-S1.16	Effect of Substrate Materials on an H-Shaped Wearable Textile Antenna with a Flexible EBG Prabhat Kumar Patnaik, Ribhu Abhusan Panda (Centurion University of Technology and Management, India), Dhruva Panda (Berhampur University, India)
1571184649	We-TP-S1.17	Demonstration of CVX Based Sparse Array Optimization Algorithm with FEM Simulation K C Chandini Devi, Shahla K P, Shahul Hameed V and Pradeep Kumar C (ISRO, India)
1571184651	We-TP-S1.18	Dielectric Superstrate Loaded Dual-Port Stacked Dielectric Resonator Antenna with Improved Gain and Circular Polarization Characteristics Ashish Yadav, Harshit Verma, Anand Sharma, Vijay Shanker Tripathi, Pawan Kumar Shukla (Motilal Nehru NIT, India), Shivesh Tripathi (KIET, India)

1571184652	We-TP-S1.19	Design and Performance Analysis of a C-Band Linear Array with Optimized Dielectric Domes Mahima Gowda RG, Ravi Kumar J K, A Mahesh (RV College of Engineering, India) and Ashutosh Kedar (DRDO, India)
1571184673	We-TP-S1.20	Polarization-Dependent RCS Analysis of Canonical Geometric Objects Under Linear Polarization Shaima Ahammed Vembala (IIIT Kottayam, India), Shubhanshi Jain (IISc, India), Prithvisha Gupta (Heritage Institute of Technology, India), Manas Sarkar (ISRO, India), Debarati Ganguly (IIIT Kottayam, India)
1571184685	We-TP-S1.21	On the Limitations of the Log-Distance/One-Slope Path Loss Model in LoRaWAN Muppala Ruthwik, Naveen Kumar Gajingam and Aftab Hussain (IIIT Hyderabad, India)
1571184717	We-TP-S1.22	Design and Optimization of Series-Fed and Center-Fed Shared Aperture Antenna for C/X Band Applications Harshith B, Vipul S Joshi and A Mahesh (RV College of Engineering, India), Ashutosh Kedar (DRDO, India)
1571184727	We-TP-S1.23	AI-Driven Optimization of Microstrip Patch Antenna Arrays Shreyas Aradhya, K. Samarth Babu Gotrale, A Mahesh (RV College of Engineering, India) and Ashutosh Kedar (DRDO, India)
1571184806	We-TP-S1.24	Gain-Enhanced Wideband Vivaldi Antenna with Circular Flare Transitions for Radar and Wireless Applications Soham Banerjee, Swarnadeep Koley, Subhradip Bal (IEM, India), Malay Gangopadhyaya (UEM, India), Gobinda Sen (IEM, India)
1571184854	We-TP-S1.25	Gain-Filtering Reflectarray Antenna Based on 1-Bit Anisotropic Polarization Converting Unit Cell Vimal Kumar and Akhilesh Mohan (IIT Roorkee, India)
1571184043	We-TP-S1.26	Non-Invasive Blood Glucose Detection Using Highly Sensitive Metamaterial Sensor Subha Mandal (IEM Kolkata, India), Amit Kumar Singh, Rahul Mondal and Akhilesh Kumar (IIT Patna, India), Gobinda Sen (IEM, India)
1571184161	We-TP-S1.27	A Reconfigurable Metasurface for Wideband Absorption with a Notchband Neema K (CUSAT, India), Krushna Kanth Varikuntla (Queen's University Belfast, UK), Deepti Das Krishna (CUSAT, India)
1571184207	We-TP-S1.28	Design of Hippopotamus Optimization Algorithm Derived Microwave Absorber for Wideband Applications Ranjeet Pratap Singh Bhadoriya (Mohan Babu University, India), Ravi Panwar (IIT BHU, India), Garima Tiwari (Jabalpur Engineering College, India), Ankit Chandachoriya (IIITDM Jabalpur, India)
1571184520	We-TP-S1.29	Koch-Curve FSS Based Polarization Insensitive, Undeca-Band Microwave Absorber Covering s to K Bands Chandravijay Bharati, Ashwin Kothari and Abhay Gandhi (Viswesaraya NIT, India)
1571184753	We-TP-S1.30	A Wearable Textile Electromagnetic Absorber for 5G Applications Pranali Ramchandra Hatwar (IIIT Nagpur, India), Anveshkumar Nella (VIT Bhopal University, India), Rashmi A. Pandhare, Paritosh Peshwe and Harsh Goud (IIIT Nagpur, India)
1571184788	We-TP-S1.31	Cross-Shaped Dual-Band Polarization-Insensitive Metamaterial Absorber for 5G mm-Wave Applications Jaiverdhan and Sumit Rautela (NIT Uttarakhand, India), Ashish Kumar (NIT RAIPUR, India), MM Sharma (MNIT Jaipur, India)
1571184845	We-TP-S1.32	Dual Planar Dual Beam Anisotropic Holographic Metasurface Antenna Gautham Purohit, Thota Balaji, Chinmoy Saha (IIST, India)
1571184897	We-TP-S1.33	Polarization-Independent Gain Enhancing Metalens for GNSS L5 Band Nazima Shabir and Gazali Bashir (IIT Jammu, India), James Arokiasamy Baskaradas (SASTRA University, India)
1571184867	We-TP-S1.34	Fano-Assisted Nested Ring Resonator Based Compact Device for High-Sensitivity and High Quality Factor Multi-Analyte Photonic Sensing Pragya Mishra (IISc, India), Tushar Gaur (Synopsis, India), Srinivas Talabattula (IISc, India)
1571184927	We-TP-S1.35	Design of a Terahertz Metamaterial Absorber (TMA)-Based Bio-Sensor Using GaAs Towards Cancer Detection with Improved Sensitivity and FoM Arjab Sengupta (UEM, India), Sagnik Chakraborty (IEM Kolkata, India), Sayak Nandi and Malay Gangopadhyaya (UEM, India), Gobinda Sen (IEM Kolkata, India)
1571184965	We-TP-S1.36	Design and Simulation of a Pulsar Circuit for Short Duration High Current Applications Gokulnath K and Jose Joseph (Digital University Kerala, India)
1571185104	We-TP-S1.37	Silicon Wave Guide Analysis with Different Materials for Terahertz Applications Kirtana Narayanan (SRMIST, India), Shrinjoy Chatterjee (IEM Kolkata, India), Chinmoy Saha (IIST, India)
1571173891	We-TP-S1.38	Design and Analysis of Platinum Diselenide (PtSe₂) Integrated Slotted Bowtie Antenna for 6G Communication (W-Band) Shakthi priya M, Prince Gupta, Nalini Pareek and Dhairya S Arya (CSIR-CSIO, India)

1571182980	We-TP-S1.39	Stub-Augmented Low-Profile Magneto-Electric Dipole Antenna for Unified 2G to 4G and Sub-6 GHz n78 Band Coverage Vadlamudi Roja (NIT Andhra Pradesh, India), Balakrishna Islavath (MeitY, India), Indhumathi Kulandhaisamy (KIM Patents, India), T. Shanmuganantham (Pondicherry University, India), Sindhanaiselvi D (Pondicherry Technical University, India)
1571184125	We-TP-S1.40	A Novel Stub-Loaded Spurline Structure for Miniaturized UWB Microstrip Filters with Harmonic Suppression Rupayan Halder, Arghyadeep Das, Md Abuzar (IIST, India), Dhruba Das (SAMEER, India) and Susanta Kumar Parui (IIST, India)
1571184153	We-TP-S1.41	Delay-Optimized Communication Strategies for Safe Braking in Vehicle Platoons Sree Nithi K, Sopika R, Janani R, Bhuvana K and Govindasamy Ananthi (Thiagarajar College of Engineering, India)
1571184390	We-TP-S1.42	Differently Shaped Beams Analysis of Reconfigurable Intelligent Surface for 6G FR1 Band Signal Coverage Extension in Indoor Environment Sunanda Mukhopadhyay, Abhishek Sarkhel and Satyendra Singh Yadav (NIT Meghalaya, India)
1571173295	We-TP-S1.43	A Cost Effective, Open-Air Compact Antenna Test Range (CATR) to Reach 330 GHz Alexander Chen and Yonghui Shu (Eravant, USA), Neda Khiabani (Nokia Bell Labs, USA)
1571185036	We-TP-S1.44	Design and Simulation of an Electromechanical MEMS Sensor for Detection of Malaria, HIV, and Cancer Biomarkers Akhil Reddy, Sanjana Dasari, Geethanjali Kamoji, Jhansi Nomula and Naresh Muddamalla (Osmania University, India)
1571188384	We-TP-S1.45	Impact of 3G, 4G and 5G Mobile Phone Radiation on Brain and Reproductive System of Wistar Rat Paulraj Rajamani (JNU, India), Kumari Vandana Singh (AIIMS, India), Rohit Gautam (ICMR, India), Neha Jha and Jay Prakash Nirala (JNU, India)
1571184123	We-TP-S1.46	An Oval Shaped Receiver Coil Array Harvester for Efficient Wireless Charging of Drone Sagar Jain and Ashwani Sharma (IIT Ropar, India)
1571184349	We-TP-S1.47	Angle Insensitive Metamaterial Reflector for Enhancing Far-Field Wireless Power Transmission in UAVs Charging Amarnath Kumar and Chayanika Baishya (IIT Guwahati, India), Srijit Chakrabarti (IIT Bombay, India), Sisir Kumar Nayak (IIT Guwahati, India)
1571184260	We-TP-S1.48	Loss Function Sensitivity in Deep Learning Models for Investigation of Microwave-Plasma Interaction Shivam Gandha, Kalp Pandya, Ajeya Mandikal and Bhaskar Chaudhury (Dhirubhai Ambani University, India)
1571184671	We-TP-S1.49	Performance Enhancement of Terahertz Graphene Patch Antenna Sensor Through Vacancy Defect Engineering: A Multiscale Simulation Approach Vivek Kumar, Madhav Goswami, Jaiverdhan Jaiverdhan (NIT Uttarakhand, India)
1571184880	We-TP-S1.50	Optimal Design of Clocking Scheme for Integrated Avionics Systems for LEO Satellites Harshit Kumar, Ananth Shayanam G R, Bindu R, Senthil Kumar and Neelavathy M (ISRO, India)