

Session Title:		Technical Poster session-4
Session Chair(s):		Subhradeep Chakraborty (CSIR-CEERI, India)
1571185021	We-TP-S3.1	Low-Cost Radiometric Monitoring of Ionospheric and Auroral Variability in the Arctic Bhuvnesh Brawar, Harsha Avinash Tanti, Anismita Biswas and Anshul Shudhanshu, Abhirup Datta and Saurabh Das (IIT Indore, India)
1571188458	We-TP-S3.2	Diagnosis of Plasma-Exposed Seeds Using Atmospheric Cold Plasma Jet Priti Pal (CSIR-CEERI, India), Hansa Sehgal (BITS Pilani, India), Minakshi Singh, Anand Pratap Singh, Rajat Garg, Mahendra Singh (CSIR-CEERI, India), Mukul Joshi (BITS Pilani, India), Shivendra Maurya, Ram Prakash Lamba, Udit Narayan Pal (CSIR-CEERI, India)
1571188556	We-TP-S3.3	Detection and Localization of Metallic Fragments in Biological Tissues Using Millimeter Wave Radar Md Sarfaraz Anwar, Pankaj Kumar, Nishchal Gaur, Shobha S Ram (Indraprastha Institute of Information Technology Delhi, India)
1571184552	We-TP-S3.4	A Compact 1:3 Unequal Wilkinson Power Divider for Ultra-Wideband Applications Kailash Kumar, Raj Aryan, Ajay Prudhvi Raj Pasupula, Kamla Prasan Ray (DIAT, India)
1571184553	We-TP-S3.5	Graphical Method for Designing Distributed Matching Network for Broadband GaN PAs Siddharth Thakur and Harshvardhan Singh, Shubham Sharma, Nagaditya Poluri, Avinash Lahgere, Yogesh Chauhan (IIT, Kanpur, India), Sandip Kumar (Cadence Design Systems, India)
1571184615	We-TP-S3.6	RF Front End Receiver for IRNSS/GPS in 180nm CMOS Technology Rishabh Trivedi, Rajiv Bhatia, Akash Dang, S N Mittal, Ashutosh Yadav (Semi-Conductor Laboratory, India)
1571184616	We-TP-S3.7	Design and Analysis of Wide Band Linear to Circular Polarization Converter for Sub-THz Applications Murtaza Waheed and Javid Ahmad Ganie (IIT Jammu, India), Mingyan Zhong and Qusay Raghib Ali Al-Taai (University of Glasgow, UK), Kushmanda Saurav (IIT Jammu, India), Chong Li (Rankine Building & University of Glasgow, UK)
1571184701	We-TP-S3.8	Novel Varactor-Based Network for Enhancing Efficiency of Class-J RFLPA by Second Harmonic Injection Nishant Jaiswal (ISRO, India), Akash Mecwan (Nirma University, India), Deepak Mishra, Samriti Kumar Garg (ISRO, India), Gourav Salla, Yogesh Chauhan, Nagaditya Poluri (IIT Kanpur, India)
1571184822	We-TP-S3.9	Modified T-Shaped Diplexer-Based Quasi-Reflectionless Bandpass Filter for ISM-Band Applications Asish Nayak and Abhishek Jha (IIT Tirupati, India)
1571184876	We-TP-S3.10	Optimization of Technology Nodes and Cascading Stages to Design CMOS LNA for D Band 6G Receivers V Abhiram (NIT Surathkal, India), Nagendra P Pathak (IIT Roorkee, India), Sushil Kumar Pandey (NIT Surathkal, India)
1571188148	We-TP-S3.11	Broadband 6-Bit MMIC Digital Attenuator with Minimal Phase Variation and High Attenuation Precision Uttam Kumar (IIST, India), Harshita Tolani, Vivan Prakash, Anamiya Bhattacharya, Vinit Kumar (ISRO, India), Chinmoy Saha (IIST, India), Mukesh Patel and Ch.V.N. Rao (ISRO, India)
1571188404	We-TP-S3.12	Third Order Dual-Mode Dual Band Half Mode SIW Cavity Ch Suresh Kumar, Runa Kumari, Harish V. Dixit (BITS Pilani, India)
1571188624	We-TP-S3.13	Ultra Compact Highly Sensitive Self-Diplexing HMSIW Sensor for Solid Materials Detection Sri Deepika Aishwarya Lakshmi Vudattu (VIT-AP University, India), V Jaya Prakash (PSCMR College of Engineering & Technology, India), K B S Sri Nagini (Siddhartha Academy of Higher Education, India)
1571184856	We-TP-S3.14	A Novel Frequency-Reconfigurable Antenna Employing Liquid Dielectric Variation Shrinjoy Chatterjee (IEM, India), Anamika A Kamath (Hex20 India Pvt. Ltd., India), Nrusingha Charan Pradhan (Central University of Karnataka, India), Chinmoy Saha (IIST, India)
1571184884	We-TP-S3.15	Multi-Layered Planar Antenna in LTCC Technology for V-Band Communication Applications Subhendu Chakraborty, Subhradeep Chakraborty, Dheeraj Kumar Kharbanda, Nikhil Suri, Debasish Pal and Ayan Kumar Bandyopadhyay (CSIR-CEERI, India)
1571184926	We-TP-S3.16	Wideband Dual Circularly Polarized Reconfigurable Cross-Dipole Antenna Using Parasitic Elements Akanksha Singh (Noida Institute of Engineering and Technology, Greater Noida), Manoj Kumar Meshram (IIT BHU, India)
1571185011	We-TP-S3.17	Angular Spread Measurement Using Electronically Switched Beam Technique of Conformal 2 × 2 Patch Array Antenna

		Indar Surahmat, Sarah Hazem Mostafa Shaaban and Dirk Heberling (RWTH Aachen University, Germany)
1571185033	We-TP-S3.18	Ultra-Wideband Patch Antenna for 5G Mobile Applications Shobhit Tiwari and Ashutosh Vishwakarma (Keysight Technologies, India)
1571185109	We-TP-S3.19	A Dual Band Circularly Polarized Antenna with Suppressed Harmonic for Tansponder System Rinke Chopra (IIT Indore, India)
1571188143	We-TP-S3.20	The Natural Resonance Frequency of a Slotted Rectangular PEC Plate and Its Physical Aspects Nandan Bhattacharyya (RCCIT, India), Jawad Y Siddiqui and Yahia Antar (RMC, Canada)
1571188286	We-TP-S3.21	Effective and Simple Realization Methodology of Compact Patch Antenna for GNSS Applications Meenal, Ashish Chauhan, S N Mittal (Semi-Conductor Laboratory, India)
1571188565	We-TP-S3.22	Regression-Based S11 Prediction of Slot-Loaded Microstrip Patch Antennas Using MATLAB Antenna Toolbox Abdul Lateef Haroon Phulara Shaik, Aaftab Zohra, K. Tanuja, and Rehamath Unnisa (Ballari Institute of Technology and Management, India)
1571188579	We-TP-S3.23	OAM Beam Generation Using Square Shaped Spiral Slot SIW Cavity Antenna Y Kavya Reddy and Srujana Kagita (IIT Tirupati, India)
1571188617	We-TP-S3.24	Investigation of Mutual Coupling Between Array Elements and TRM Shelter in an Active Phased Array Radar Operating in Lower VHF Band P Nandakumar and Ashik Paul (University of Calcutta, India), Jawad Y Siddiqui (RMC, Canada)
1571188638	We-TP-S3.25	A UHF Self-Deployable Quadrifilar Helical Antenna with Pinwheel Ground for CubeSats Arunya Paul (KIIT DU, India), Chinmoy Saha and Priyadarshnam Hari (IIST, India), Sudhakar Sahu (KIIT University, India)
1571188650	We-TP-S3.26	Passive Beam Steering Magneto-Electric Dipole Antenna Using Fluidic Gravitational Lens Shivangee Kashyap (Guru Ghasidas Vishwavidyalaya, India), Aditya Singh (IIT Bhilai, India), Ankita Jain (NIT Calicut, India)
1571188661	We-TP-S3.27	Frequency Reconfigurable U-Shaped Antenna for Cognitive Radio Applications Hirak Keshari Behera and Arjuna Muduli (JSPM University, Pune, India)
1571188717	We-TP-S3.28	High Gain Low RCS Broad-Band Antipodal Vivaldi Antenna Krithika Penagaluru (BMS College of Engineering, India), Soumya KK (DRDO, India), Preeti Kumari (CSIR-NAL, India), Vineet Gupta and Vijay Kumar Sutrar (DRDO, India)
1571184956	We-TP-S3.29	Triple-Band Terahertz Absorber for Refractive Index Sensing Applications Vikram Maurya and Sarthak Singhal (MNIT, India)
1571187992	We-TP-S3.30	Wideband Transmission Type Linear-to-Circular Polarization Converter with High Angular Stability for Millimeter-Wave Applications Javid Ahmad Ganie and Debdeep Sarkar (IISc, India), Kushmanda Saurav (IIT Jammu, India)
1571188497	We-TP-S3.31	Accelerating Electromagnetic Simulation with an Adaptive Frequency Sweep Toolbox Developed for MATLAB Shilpa T N and Rakesh Sinha (NIT, Rourkela, India)
1571188597	We-TP-S3.32	Design of Compact 1-Bit Reconfigurable Intelligent Surface for Enhancing Wireless Coverage Praween Kumar Nishad and Ekant Sharma (IIT Roorkee, India), Prem Singh (IIIT Bangalore, India)
1571174405	We-TP-S3.33	Superconductor-Insulator-Superconductor Devices for Terahertz Applications Nagavenkata Anil Kumar Peddiraju, Santanu Sinha, Chiranjit Karmakar, Sharad Kumar Jain, Rakesh K Kaneriy, Yogita Sharma, Punam Tyagi and Jolly Dhar (ISRO, India)
1571185106	We-TP-S3.34	Dual-Ellipse Resonator-Based THz Metamaterial Biosensor with Enhanced Sensitivity for Early Cancer Detection Shrinjoy Chatterjee, Satyam Choudhary and Gobinda Sen (IEM Kolkata, India), Chinmoy Saha (IIST, India)
1571188696	We-TP-S3.35	High-Sensitivity Terahertz Metamaterial Biosensor Using Connected Concentric Circles for Early Stage Cancer Detection Shrinjoy Chatterjee (IEM Kolkata, India), Reshma Ramesh (IISc, India), Anamika A Kamath (Hex20 India Pvt. Ltd., India), Gobinda Sen (IEM Kolkata, India), Chinmoy Saha (IIST, India)
1571188738	We-TP-S3.36	X-Arm Circular Split-Ring Resonator Based Terahertz Metamaterial Biosensor for Cancer Detection Satyam Choudhary, Shrinjoy Chatterjee (IEM Kolkata, India), Anushka Sharma (Manipal University Jaipur, India), Gobinda Sen (IEM Kolkata, India), Chinmoy Saha (IIST, India)
1571184605	We-TP-S3.37	A Modular Framework Approach Towards RIS-Assisted JSAC Using AoA Estimation Dharshne S and Adarsh Kumar Nayak (C-DOT, India)
1571184903	We-TP-S3.38	A Comparative Study of Design Approaches for Sub-THz Power Dividers Based on Gap Waveguide

		Abhay Dwivedi, Priyansha Kaurav and Nagendra P Pathak (IIT Roorkee, India)
1571186912	We-TP-S3.39	Compact Four-Port MIMO Antenna Incorporating Parasitic Elements for Decoupling in 5G NR n79 Band Applications Prabhu kumar Kothavari, Venkata Rajasekhar Nuthakki (VIT-AP, India)
1571188517	We-TP-S3.40	Resource-Efficient Ridge-Regularized 2D Harmonic Memory Polynomial Modeling for Scalable Fixed-Point Implementation of Digital Predistortion Renu Rani, Smriti Keshri and Meenakshi Rawat (IIT Roorkee, India)
1571189588	We-TP-S3.41	Hybrid Microstrip-Fed Dual-Polarized Dielectric Resonator Antenna for 5G Millimeter-Wave Applications Abinash Gaya (Centurion University of Technology and Management, India), Jagannath Malik (IIT Patna, India)
1571188532	We-TP-S3.42	Compact Low Side-Lobe V-Band Horn with near-Symmetric Radiation Pattern for Compact Antenna Test Range (CATR) Applications Subhendu Chakraborty, Subhradeep Chakraborty, Debasish Pal, Ayan Kumar Bandyopadhyay (CSIR-CEERI, India)
1571187781	We-TP-S3.43	Analytical Study of a Rectangular Microstrip Patch Antenna Terminated in a Two-Layer Infinite Bio-Media Using Plane Wave Spectral Technique at 915 MHz Hari Shankar Singh and Vishal Srivastava (TIET, India), Asit Ranjan Mridha, Adarsh Barwad and Venkatesan Sampath Kumar (AIIMS, India)
1571184459	We-TP-S3.44	Coupled EM-Circuit Domain Analysis of Radiatively Excited Non-Linear Circuit Athul Shaji and K Vinoy (IISc, India)
1571188665	We-TP-S3.45	Enabling Battery-Free IoT Nodes Using a DC-Combined Rectenna Array for RF Energy Harvesting Sankar Reghunath, Manoj Kumar and Mohammad Jaleel Akhtar (IIT Kanpur, India)
1571185123	We-TP-S3.46	Multistatic GBSAR for Structural Health Monitoring of Indian Monuments: Conceptual Overview Bhupendra Kumar and A K Singh (DRDO, India), Jawed Kumar (IIT Guwahati, India), Manoj Kumar Meshram (IIT (BHU), India)
1571187998	We-TP-S3.47	Democratizing High-Fidelity 3D AR Mapping on Smartphones Using a Hybrid ToF-LiDAR System Vishal Kumar (Ocean2Sand, USA), Ajay K Poddar and Anisha Apte (Synergy Microwave Corporation, India), Jawad Y Siddiqui (RMC, Canada), Sampathkumar Veeraraghavan (Brahmam Innovations, USA), Yahia Antar (RMC, Canada)
1571188317	We-TP-S3.48	AI-Enhanced Platform for Democratizing CubeSat Design, Simulation, and Rapid Prototyping Vishal Kumar (Ocean2Sand, USA), Ajay K Poddar (Synergy Microwave Corporation, USA), Anisha Apte (Synergy Microwave Corporation, India), Jawad Y Siddiqui (RMC, Canada), Sampathkumar Veeraraghavan (Brahmam Innovations, USA), Yahia Antar (RMC, Canada)
1571188554	We-TP-S3.49	Design and Implementation of SAKHI Android Application for Gaganyaan Astronauts Smitha K S and Rizwana Aziz M P, Gayathri Girish, and Vinod S S (ISRO, India)