IEEE MTT-S & AP-S MAPCON

December 14-18, 2026 | NAGPUR

* The schedule is tentative and subject to change as per the requirements of the MAPCON Team.

DATE 14.12.2026

14.12.2026 | Day-1	Workshops / Tutorials - 1
	Lunch
	Workshops / Tutorials - 2
	B.Tech, M.Tech and PHD Initiative (Introductory session)

Date: 14.12.2026 **Session Title: Workshops / Tutorials - 1**
Timing: 9:00 to 13:00
Session Code: MAP26-D1-W-I

LUNCH BREAK (13:00 to 14:00)

Date: 14.12.2026 **Session Title: Workshops / Tutorials - 2**
Timing: 14:00 to 18:00
Session Code: MAP26-D1-W-II

Date: 14.12.2026 **Session Title: B.Tech, M.Tech and PHD Initiative (Introductory session)**
Timing: 18:30 to 19:30
Session Code: MAP26-D1-G-I

DATE 15.12.2026

15.12.2026 | Day-2	Industry Exhibition
	Invited Session + Oral Presentation - I
	Tea
	Plenary Session-I by Matthew Sadiku
	Oral Presentation - II
	Space Cluster
	Lunch
	Plenary Session-II by C.J. Reddy
	Plenary Session-III by Fred Schindler
	YP Plenary training talks and Round table Discussion
	Keynote Session-I
	Tea
	Invited Session + Oral Presentation - III
	Proposal Writing Workshop (BPC)
	Use of Technology to reduce Man Animal Conflict Panel Discussion (Sight initiative)
	FSFC (Special Dignitaries)
	INAUGURATION
	WELCOME DINNER

Date: 15.12.2026 **Session Title: Industry Exhibition**
Timing: Full Day
Session Code: MAP26-D2-IE-I

Date: 15.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D2-OP-I-CR1

Timing	Paper ID	Paper Title
08:30	1571343596	**4.38- 4.54 GHz High Efficiency Class-F Power Amplifier for Radar and Wireless Applications** Chaitanya Reddy (IIT Roorkee, IN) Avinash Singh (IIT Roorkee, IN) Ganesh Bargaje (Indian Institute of Technology Roorkee, IN)
08:45	1571342598	**A 70 W C-Band Continuous Class-B/J GaN Power Amplifier with Charge-Based Output-Capacitance Compensation** Nupur Sood (Defence Research and Development Organization, IN) Ganesh Bargaje (Indian Institute of Technology Roorkee, IN) Karun Rawat (Indian Institute of Technology Roorkee, IN)
9:00	1571341452	**A High-Efficiency Class B Power Amplifier with Integrated Filtering for Harmonic Suppression** Joydeb Mandal (Bharat Electronics Limited, IN) Elumalai Dillibabu (CRL-BEL, IN) Satyanarayana V (Bharat Electronics Limited, IN)
09:15	1571336541	**Design and Development of Ka-Band MMIC Power Amplifier with Compatible Combiner** Mohd Imran (Solid State Physics Laboratory (SSPL), IN) Parul Gupta (SSPL, IN) Reeta (Solid State Physics Laboratory, IN) S Tomar (SSPL, IN) Devendra Verma (Solid State Physics Laboratory, IN)

09:30	1571343074	**High-Efficiency Quasi-Continuous Class B/J Power Amplifier for C-Band Aerospace Applications** Ganesh Bargaje (Indian Institute of Technology Roorkee, IN) Nupur Sood (Indian Institute of Technology Roorkee, IN) Karun Rawat (Indian Institute of Technology Roorkee, IN)
09:45	1571336585	**Magnetic Focusing System for High Power S-Band Multi-Beam Klystron** Mithilesh Kumar (Microwave Tube Research and Development Centre, IN) Ramesh Patel (Indian Institute of Technology Tirupati, IN) Ashok Bansiwal (MTRDC, IN) MV Kartikeyan (IIT Tirupati, IN)
10:00	1571340187	**Multi-Objective Genetic Algorithm Optimization of an X-Band Coaxial Multi-Beam Relativistic Klystron Amplifier for High-Efficiency Operation** Prashnatita Pal (National Institute of Technology Patna, IN) Amiya Mallick (IIT KGP, IN) Rituparna Bhattacharya (Techno India University, IN)
10:15	1571335984	**Realization of High Efficiency UHF Power Amplifier** Dharmendra Kumar (DRDO, IN) Vishv Singh (DRDO, IN) Pinaki Sen (DRDO, IN)

Date: 15.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D2-OP-I-CR2

Timing	Paper ID	Paper Title
08:30	1571333526	**A 20-GHz Unconditionally Stable 0.6-V CMOS LNA Using Frequency-Selective Gmax Enhancement for SATCOM Receivers** ML Nikhil (IIT Tirupati, IN) DVS Ganesh Kumar (IIT Tirupati, IN) Prateek Kumar Sharma (Indian Institute of Technology Tirupati, IN)
08:45	1571343476	**A Short-Circuited Stub-Based Matching Network for Fast-Switching Pulsed Class-AB PAs** Vasanthi T L (Simyog technology, IN) Akanksha (Indian Institute of Technology, Kharagpur, IN) Mrinal Mandal (Indian Institute of Technology, Kharagpur, IN)
09:00	1571336102	**Closed-Form Analysis of Load Mismatch Propagation in Two-Way Doherty Power Amplifiers** Rudra Bandyopadhyay (Himil Hitech Electronics Private Limited, IN) Ratnesh Gaur (Himil Hi Tech Electronics Pvt Ltd, IN)
09:15	1571336779	**Graphene-Based Frequency-Selective Microstrip Attenuator Using PIN Diodes and Resistive Graphene Pads** Dasara Raju Sasidhar (Indian Institute of Technology Tirupati, IN) Puppala Purna Phani Chaitanya (Indian Institutes of Technology, Tirupati, IN) Sai Haranadh Akkapanthula (IIT Tirupati, IN)
09:30	1571318960	**Neural Network-Based Behavioral Modeling and Digital Predistortion Techniques for High-Efficiency RF Power Amplifiers in 6G Systems** Rajesh Kumar (Indian Institute of Information Technology Dharwad, IN) Sharandeep (IIIT DHARWAD, IN)
09:45	1571343449	**Neural Network-Based Digital Pre-Distortion Techniques Using ARVTDNN and LSTM** Om Tidke (Indian Institute of Technology, Kanpur, IN) Nagaditya Poluri (Indian Institute of Technology Kanpur, IN)
10:00	1571342538	**Novel Multi-Scale Augmented Vector-Decomposed Time-Delay Neural Network for Digital Predistortion of Wideband Power Amplifiers** Gurkaranjot Singh Kalra (none, US) B. Muni Pranavi (Amrita School of Engineering, IN) Sanjika Devi (Amrita Vishwa Vidyapeetham, IN)
10:15	1571346034	**Transient Response Aware Design of X-Band High Power PIN Diode RF Limiter** Nitesh Sharma (SAC ISRO, IN) Piyush Sinha (Space Application Centre, IN) Kamla Ray (IIT, IN)

Date: 15.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D2-OP-I-CR3

Timing	Paper ID	Paper Title
08:30	1571318573	**A 24-dB Gain W-Band Low Noise Amplifier Using Uniform Stage Optimization and Design Reuse in 0.13µm BiCMOS** Manish Kumar (Indian Institute of Technology, Hyderabad, IN) Abhishek Kumar (IIT Hyderabad, IN) Saravana Kumar G (MMRFIC Technology Pvt. Ltd., IN)
08:45	1571342983	**A Low-Noise 89 GHz Heterodyne Receiver for Spaceborne Atmospheric Sounding** Piyush Sinha (Space Application Centre, IN) Milind Mahajan (Space Applications Centre, ISRO, IN) Cvn Rao (Space Applications Centre (ISRO), IN)
09:00	1571342982	**Design and Characterization of a 50-60 GHz mHEMT LNA MMIC for Atmospheric Temperature Sounding** Piyush Sinha (Space Application Centre, IN) Milind Mahajan (Space Applications Centre, ISRO, IN) Cvn Rao (Space Applications Centre (ISRO), IN)
09:15	1571336769	**Design and Experimental Validation of a Compact PCB-Based Low Noise Amplifier for 2.4-2.6 GHz Wireless and IoT Applications** Debanurag Chakraborty (Indian Institute of Science, IN) Malika Somanath (Indian Institute of Science, IN) Debdeep Sarkar (Indian Institute of Science, IN)
09:30	1571319674	**Design and Simulation of a 5-12 GHz Three-Stage Wideband GaAs pHEMT Low Noise Amplifier** Sidharth Ghosh (RV College of Engineering, IN) S Shreya (R V College of Engineering, IN) Shaik Vahida (None, IN)
09:45	1571319045	**Design of a 1.6 GHz Low Noise Amplifier in 180 nm CMOS Technology** Kamalesh E (Government College of Technology, IN) Shaik Vahida (None, IN)
10:00	1571346267	**Design of a 77 GHz Low-Noise Amplifier with PVT Robust Biasing and Enhanced RF Stability for Automotive Radar Applications** Tarun Suretia (Indian Institute of Technology Roorkee, IN) Kamini Singh (Indian Institute of Technology, Roorkee, IN) Chaitanya Reddy (IIT Roorkee, IN)
10:15	1571342889	**Design of a Wideband Filtering Low Noise Amplifier for Sub-6-GHz Wireless Applications** Rvnr Suneel Krishna (BV Raju Institute of Technology, Narsapur, IN) Allaparthi Sai Sri Likhith (BVRIT, IN) Sanjeev Reddy (BVRIT, IN)

Date: 15.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D2-OP-I-CR4

Timing	Paper ID	Paper Title
08:30	1571334572	**A 75W Packaged X-Band GaN MMIC PA Using a Spiral Quadrature Coupler for SAR Applications** Tuhin Paul (Space Applications Centre (ISRO), IN) Jayesh Trivedi (Space Applications Centre, IN) Harshit Kapoor (Space Applications Centre, IN) Milind Mahajan (Space Applications Centre, ISRO, IN)
08:45	1571343409	**A Miniature Wideband on-Chip Power Divider in 130-nm SiGe Bi-CMOS Technology for D-Band Application** Manan Gupta (Indian Institute of Technology, Roorkee, IN) Subhajit Kar (Indian Institute of Technology Roorkee, IN) Darshak Bhatt (Indian Institute of Technology Roorkee, IN)
09:00	1571334244	**A Mobius Ring Resonator for Achieving Miniaturization in VHF-UHF Band Applications** Rushiraj Jawale (Indian Institute of Technology Roorkee, IN) Gowrish Basavarajappa (Indian Institute of Technology Roorkee, IN) Amalendu Patnaik (IIT Roorkee, IN)
09:15	1571343427	**A Single-Transistor Power Amplifier with 105% Fractional Bandwidth for Sub-6 GHz Applications** Donvon Kalpana (Indian Institute of Technology, Kharagpur, IN) Sujantha S (Indian Institute of Technology Kharagpur, IN) Mahima Patel (Indian Institute of Technology Kharagpur, IN)

09:30	1571336409	**Design of Wideband Power Amplifier Utilizing the Parasitic Effects of the Lumped Components** Ramkrishna Gorain (Indian Institute of Technology Jodhpur, IN) Rahul Laha (Indian Institute of Technology, Jodhpur, IN) Arani Khan (Indian Institute of Technology Jodhpur, IN)
09:45	1571319207	**Highly Integrated C-Ku Band T/R Modules Using Single Chip Front-End MMIC** ARP Mallika (Gov, IN) Thokala Latha (DLRL, IN) G. Syamala Rao (DRDO, IN) Srinivas D (Shri, IN) Y. Hemalatha (DRDO, IN)
10:00	1571332696	**Multi-Technology Intelligent PDK-Based Design of T/R MMIC Functional Blocks** Alexey Kalentyev (50ohm Technologies, RU) Igor Dobush (50ohm Technologies, RU) Andrei Salnikov (Tomsk State University of Control Systems and Radioelectronics, RU)
10:15	1571342330	**SIW-Based off-Chip Power Combining Using GaN MMIC Power Amplifier for Ku-Band Applications** Mohammad Shukoor (Indian Institute of Technology Roorkee, IN) Ganesh Bargaje (Indian Institute of Technology Roorkee, IN) Avinash Singh (IIT Roorkee, IN)

Date: 15.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D2-OP-I-CR5

Timing	Paper ID	Paper Title
08:30	1571345219	**A Compact Multi-Function Beamforming MMIC for Spaceborne SweepSAR** Piyush Garg (Space Applications Centre, IN) Piyush Sinha (Space Application Centre, IN) Nitesh Sharma (SAC ISRO, IN)
08:45	1571336642	**A Compact Wideband Circular Microstrip Hybrid Coupler with High Isolation for Ku-Band Beamforming Networks** Jaiverdhan (National Institute of Technology Uttarakhand, IN) Jitendra Kumar (National Institute of Technology Uttarakhand, IN) Bhawna Kalra (MNIT Jaipur, IN)
09:00	1571320921	**A Reflection-Type Analog Predistorter Using an Unequal Wilkinson Divider and Schottky-Diode Reflective Loads for Power Amplifier Linearization** Akanksha (Indian Institute of Technology, Kharagpur, IN) Vasanthi T L (Simyog technology, IN) Mrinal Mandal (Indian Institute of Technology, Kharagpur, IN)
09:15	1571338374	**Compact Multi Octave Wilkinson Power Divider with High Isolation for EW Applications** Paulson Joseph (Bharat Electronics Limited, IN) Gaurav Anand (Bharat Electronics Limited, IN) Rohit Lahiri (Bharat Electronics Limited, IN)
09:30	1571343459	**Design and Verification of an Asymmetric 9-Way Wilkinson Power Divider at 2.2 GHz** Jainam Gajjar (Space Applications Centre, IN) Hari Shanker Gupta (Space Applications Centre ISRO, IN) Shokeen Sombir (Space Applications Centre, ISRO, IN)
09:45	1571343411	**Design of a Compact Manifold Coupled Triplexer in C and X Band with High Isolation for Wide Stop Band** Rajesh Singh Parmar (Space Application Center, Ahmedabad, IN) Ramesh Gupta (Space Applications Centre ISRO, IN) Sravan Sagi (Space Applications Centre ISRO, IN)
10:00	1571335437	**High-Isolation S-Band RF Front-End Incorporating a Multistage PIN Diode Limiter for Receiver Protection** Santhosh Raj R (IIST, IN) Ritan Das (Indian Institute of Space Science and Technology, IN) Basudev Majumder (IIST, IN)
10:15	1571341280	**Novel Design & Architecture of Extended Dynamic Range Detector Log Video Amplifier for Modern EW Applications** Advaitha Devulapally (Bharat Electronics Limited, IN) Rohit Lahiri (Bharat Electronics Limited, IN) Ashwini U (Bharat Electronics Ltd, IN)

Date: 15.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D2-OP-I-CR6

Timing	Paper ID	Paper Title
08:30	1571319596	**A Compact Six-Port Reflectometer Based on a Tightly Coupled Broadband Asymmetric Hybrid Coupler** Shubham Tirmanwar (MS Ramaiah Institute of Technology, Bengaluru, IN) Debapratim Ghosh (Indian Institute of Technology Bhubaneswar, IN)
08:45	1571336435	**Bandpass Filters with Tunable Passband and High Selectivity in L- and S- Bands for Radar Applications** Punyatoya Routray (IIT Kanpur, IN) Debapratim Ghosh (Indian Institute of Technology Bhubaneswar, IN) Rahul Agrawal (LRDE, IN)
09:00	1571336034	**Design and Optimization of a Double-Ridge Waveguide Microwave Sensor for Delamination Detection in Curved Composite Structures with Embedded Copper Mesh** Pankaj Dinkar Gunjikar (Visvesvaraya National Institute of Technology, Nagpur, IN) Shankar Aenagandula (Visvesvaraya National Institute of Technology Nagpur, IN) Neeraj Rao (Visvesvaraya National Institute of Technology Nagpur, Maharashtra, IN)
09:15	1571316336	**Highly Sensitive Linear Displacement Sensor Employing a Stepped Impedance Line-Coupled Dielectric Resonator** Regalla Premsai (IIT Kanpur, IN) Sandra Rodini (University of Pisa, IT) AV Praveen Kumar (BITS Pilani Rajasthan, IN)
09:30	1571325670	**Low-Cost Filtenna-Based Microwave Imaging System for Analysis of Bituminous Mixes** Amartya Paul (Indian Institute of Information Technology Pune, IN) Hemant Kumari (National Institute of Technology Meghalaya, IN) Rinaldo Snaitang (National Institute of Technology Meghalaya, IN) Shubhankar Majumdar (National Institute of Technology Meghalaya, IN)
09:45	1571346125	**LTCC-Based Microwave Displacement Sensor with Reconfigurable Filtering** Chaitanya kumar J (IIT Tirupati, IN) Puppala Purna Phani Chaitanya (Indian Institutes of Technology, Tirupati, IN) Bhukya Sathish (Indian Institute of Technology Tirupati, IN)
10:00	1571318913	**Machine Learning-Enabled Cognitive Radar Systems for Target Detection, Tracking and Spectrum-Aware Surveillance: A Review** Lakshmi T (DRDO, IN) Md. Mahmood (Guru Nanak University, IN) Srinivasulu Tadisetty (Kakatiya University College of Engineering and Technology, IN)
10:15	1571321523	**SDR-Enabled Two-Dimensional Microwave Displacement Sensor** Regalla Premsai (IIT Kanpur, IN) Abhishek Jha (IIT Tirupati, IN) AV Praveen Kumar (BITS Pilani Rajasthan, IN)

Date: 15.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D2-OP-I-CR15

Timing	Paper ID	Paper Title
08:30	1571334627	**A Compact, Low Loss, High Power 6-Way Ku-Band Radial Power Combiner for Space Applications** Jayesh Trivedi (Space Applications Centre, IN) Ramesh Kumar (Space Applications Centre, IN) Tuhin Paul (Space Applications Centre (ISRO), IN) Samriti Kumar Garg (Scientist/Engineer, Space Applications Centre, Indian Space Research Organization, IN) Milind Mahajan (Space Applications Centre, ISRO, IN)
08:45	1571343505	**A High-Gain, Compact V-Band LNA Design in 0.13-Um SiGe BiCMOS Technology** Kamini Singh (Indian Institute of Technology, Roorkee, IN) Tarun Suretia (Indian Institute of Technology Roorkee, IN) Chaitanya Reddy (IIT Roorkee, IN)
09:00	1571343090	**A Sub-1-dB Gain-Drift, EOS-Resilient SiGe HBT C-Band Amplifier Using Active Bias for Space Applications** Rahul Sharma (ISRO, IN) Supratik Bose (Indian Space Research Organisation, IN) Yogesh Kr (URSC Bangalore, IN)
09:15	1571345749	**Compact Inline 4×4 Ku-Band Output Network for Payload Application** Ritika Bhat (Govt. College of Engineering and Technology Jammu, IN) Vineet Dad (Space Applications Centre, IN) Tushar Gajjar (Space Applications Centre, Ahmedabad, IN)

09:30	1571336758	**Design and Implementation of a Low-Loss a Sandwich Radome for X-Band Phased Array Radar** Vipin Paradkar (Larsen & Toubro Limited, IN) Aditi Nagulpelli (, IN) Vijayabhaskar N (Larsen & Toubro Ltd, Mumbai, IN)
09:45	1571336321	**High Power Sub-Nanosecond Monocycle Pulse Transmitter for Impulse GPR Application** Ramesh Kumar (Space Applications Centre, IN) Jayesh Trivedi (Space Applications Centre, IN) Harshit Kapoor (Space Applications Centre, IN) Nishant Jaiswal (Indian Space Research Organization, IN) Samriti Kumar Garg (Scientist/Engineer, Space Applications Centre, Indian Space Research Organization, IN) Milind Mahajan (Space Applications Centre, ISRO, IN)
10:00	1571346210	**Impact of Ground Bounce Noise on Static Power Consumption at Logic-High in CMOS Circuits** Hrisha Joshi (Sardar Vallabhbhai National Institute of Technology, IN) Anuj Kumar (IIT Jodhpur, IN) Jai Narayan Tripathi (Indian Institute of Technology Jodhpur, IN)
10:15	1571335745	**Impact of Synchronization Between RF Carrier and Data for High Bit-Rate X-Band 8-PSK Modulator for Space Applications** Deepali Vaishya (URSC, IN) Bindu R (Indian Space Research Organization, IN) Mynam Harinath (URSC, IN) Hasritha Chereddy (Indian Space Research Organization, IN) Yogesh Kr (URSC Bangalore, IN)

Date: 15.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D2-OP-I-CR16

Timing	Paper ID	Paper Title
08:30	1571343242	**A Low Harmonic, Phase-Coherent x8 Frequency Clock Multiplier** Yenda Dilleswararao (Bharat Electronics Limited, IN) Sudip Kumar Murmu (Project lead, IN) Pankaj Gupta (BHarat Electronics Ltd, IN)
08:45	1571343587	**Design and Analysis of a X-Band Microwave Band-Pass Filter** Sravani Bhukya (Osmania University, IN) A. Bharathi (Osmania University, IN) G. Ravi Shankar Reddy (CVR College of Engineering, IN)
09:00	1571343254	**Design and Development of Ultra Wide Band Pulsed High Power 100 W SSPA in HF Band for Ionospheric and Subsurface Sounder Applications** Gautam Kumar (Space Applications Centre-ISRO, IN) Nishant Jaiswal (Indian Space Research Organization, IN) Samriti Kumar Garg (Scientist/Engineer, Space Applications Centre, Indian Space Research Organization, IN)
09:15	1571336685	**Design of a 750 MHz Harmonic Rejection Filter Using LTCC Technology for Space Borne RF Systems** Dhanasri B (Indian Institute of Space Science and Technology, IN) Shruti Sinha (SAC, ISRO Ahmedabad, IN) Nilesh Makwana (Space Applications Centre, ISRO, IN)
09:30	1571336040	**Design of a Compact Square SRR Based RFID Tag for Biomedical Applications** Adarsh R (NIT Rourkela, IN) Shreyashree Jena (BPUT Rourkela, IN) Durga Mishra (LNM Institute of Information Technology Jaipur, IN)
09:45	1571336633	**Design of a DC to 40 GHz Distributed Broadband Amplifier Using E-Mode 150 nm GaAs pHEMT** Hrishikesh Sonune (Indian Institute of Space Science and Technology, IN) Nilesh Makwana (Space Applications Centre, ISRO, IN) Immanuel Raja (Indian Institute of Space Science and Technology, IN)
10:00	1571336614	**Design of a Low Pass Harmonic Filter with All Higher Order Mode Suppression at Ka Band for Wide Band Applications** Rajesh Singh Parmar (Space Application Center, Ahmedabad, IN) Ramesh Gupta (Space Applications Centre ISRO, IN) Sravan Sagi (Space Applications Centre ISRO, IN)
10:15	1571342996	**Targeted Zero Placement in a Third-Order Loop Filter for Jitter Reduction in a 2 GHz Ring-Oscillator PLL** Jagarlamudi Lakshmi Sai Pavan Kumar (Indian Institute of Technology Patna, IN) Yatendra Singh (IIT Patna, IN) Jagannath Malik (Indian Institute of Technology Patna, IN)

Date: 15.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D2-OP-I-CR17

Timing	Paper ID	Paper Title
08:30	1571335871	**A 24 GHz Radar Antenna with Improved Tx-Rx Isolation Using Metamaterial Absorbers and Shorting Pins** Thanmai Gadagamma (Unistring Tech Solutions Pvt. Ltd., IN) Abhishek Kumar (Unistring Tech Solutions Pvt. Ltd., IN) Lakshminarayana Merugu (Unistring Tech Solutions Pvt. Ltd., IN)
08:45	1571344373	**Advanced Geometry in Monofilar Helical Antenna Design** Vaishnavi Bobade (Shri Ramdeobaba College of Engineering and Management, IN) Tanishka Pradeep Kawadkar (Shri Ramdeobaba College of Engineering and Management, IN) Ankita Harkare (Shri Ramdeobaba College of Engineering and Management, Nagpur, IN)
09:00	1571341846	**Design and Rapid Analysis of a Metamaterial Based Wideband Flat GRIN Lens Antenna** Suvrajit Ghosh (Indian Space Research Organisation (ISRO), IN) Sravan Sagi (Space Applications Centre ISRO, IN) Shibasish Prusty (Indian Space Research Organisation, IN) Milind Mahajan (Space Applications Centre, ISRO, IN) Raghunandan Rao (Indian Institute of Technology Gandhinagar, IN)
09:15	1571348251	**Design of Reconfigurable Rotman Lens-Fed Antenna System for IoT Gateway Infrastructure** Yogita Nafde (Nagpur University, IN) Gouri Halde (Priyadarshini College of Engineering, Nagpur, IN)
09:30	1571323763	**Design of Waveguide Polarizer for Surveillance Radar Application** Rahul Sharma (Bharat Electronics Limited, IN) Anayatur Rahman (Bharat Electronics Limited, IN)
09:45	1571336421	**Icosahedral-Based Design of Luneburg Lens** Ravi Kumar Arya (Zhongshan Institute of Changchun University of Science and Technology, CN) Md. Kudrutuzzaman Protik (Changchun University of Science and Technology, CN) Maxon Okramcha (Changchun University of Science and Technology, CN) Junwei Dong (Zhongshan Institute of Changchun University of Science and Technology, CN) Sumin Li (Changchun University of Science and Technology, CN) Raj Mittra (University of Central Florida, TR)
10:00	1571336381	**Innovative 4 Element Slotted Waveguide Array Antenna for Ka-Band Radar Altimeter** Anand Singh (Space Applications Centre Ahmedabad, IN) Devendra Sharma (Space Applications Centre, IN) Ramesh Gupta (Space Applications Centre ISRO, IN) Vijay Kumar Singh (Co-author, IN)
10:15	1571336639	**Surface Impedance Based Design Methodology for a Ka-Band Reflectarray Beam Steering System at 27 GHz** Kanisha Mehta (Indian Institute of Space Science and Technology, IN) Julien Sarrazin (Sorbonne Université, FR) Chinmoy Saha (Indian Institute of Space Science and Technology, IN)

Date: 15.12.2026 **Session Title: Track-I: STAR, and Joint Radar-Communication (JRC) Antenna Systems for 6G and beyond**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D2-OP-I-CHall

Timing	Paper ID	Paper Title
08:30	Invited Session	Kunio Sakakibara (Innovations in 300-GHz Sub-THz Antenna Technologies: From Advanced)
09:00	1571320137	**Design and Experimental Validation of a Compact Meandered-Line Quad-Band Antenna for Mobile Communication** Shivam Tiwari (Academy of Scientific and Innovative Research (AcSIR) Ghaziabad, IN) Vishavjeet (CSIR Central Electronics Engineering Research Institute, Pilani, Rajasthan, IN) Raushan Kumar (CSIR- CEERI Pilani, IN) Subhendu Chakraborty (CSIR Central Electronics Engineering Research Institute, IN) Amit Kumar (Academy of Scientific and Innovative Research (AcSIR), IN) Dheeraj Kharbanda (CSIR-CEERI, IN) Deepak Bansal (CSIR-Central Electronics Engineering Research Institute Pilani, IN)

09:15	1571335944	**A Compact Mechanically Compensated Confocal Ellipsoidal Gregorian Reflector System for Wide-Field THz Imaging** Mahuya Ghosh (none, IN) Subhendu Chakraborty (CSIR Central Electronics Engineering Research Institute, IN) Subhradeep Chakraborty (Central Electronics Engineering Research Institute, Pilani, IN) Ayan Bandyopadhyay (CSIR CEERI, IN) Anirban Bera (CSIR Central Electronics Engineering Research Institute, IN)
09:30	1571343336	**A Probe Fed, High Gain, Low RCS Metasurface Inspired Planar Antenna and Closely Spaced Array for UAV and HAPS** Subhradeep Chakraborty (Central Electronics Engineering Research Institute, Pilani, IN) Mahesh Abegaonkar (IIT Delhi, IN) Ananjan Basu (Indian Institute of Technology Delhi India, IN)
09:45	1571343540	**Feasibility and Tolerance Analysis of Low-Cost Wet-Etched Silicon Micromachined Waveguides for Sub-THz Applications** Subhendu Chakraborty (CSIR Central Electronics Engineering Research Institute, IN) Amit Kumar (CSIR- CEERI, Pilani, IN) Mahuya Ghosh (none, IN)
10:00	1571343549	**Comparative Analysis of Feed Topologies for Circularly Polarized mm-Wave OAM Antennas** Subhendu Chakraborty (CSIR Central Electronics Engineering Research Institute, IN) Subhradeep Chakraborty (Central Electronics Engineering Research Institute, Pilani, IN) Debasish Pal (CSIR-CEERI, Pilani, IN)
10:15	1571343661	**A Circular Patch Antenna Array with Hybrid Shorting-Pin and Arc-Shaped DGS Decoupling for High-Isolation Full-Duplex Applications** Rajnish Kumar Shivam (Central University of Jammu, IN) Subhendu Chakraborty (CSIR Central Electronics Engineering Research Institute, IN) Sanjeev Yadav (University of Delhi, IN) Ayan Bandyopadhyay (CSIR CEERI, IN)

TEA BREAK (10:30 to 11:00)

Date: 15.12.2026
Timing: 11:00 to 11:40
Session Code: MAP26-D2-P1-CHall
Session Title: Plenary Session - by Matthew Sadiku

Date: 15.12.2026
Timing: 11:45 to 13:00
Session Code: MAP26-D2-OP-II-CR1
Session Title: Special Session - Next-Generation Radio Astronomy Technologies for Space and Ground Observatories
Session Chair:

Timing	Paper ID	Paper Title
11:45	1571335946	**Beyond the Gaussian Assumption: A Heavy-Tailed Statistical Signature in VLA Imaging of SGR J0418+5729** Aritra Sanyal (Jadavpur University, IN) Sougata Chatterjee (TIFR, IN) Farook Rahaman (Jadavpur university, IN)
12:00	1571340804	**A Low-Profile Integrated Metasurface Filtering Antenna Towards Wideband Radio Astronomy and Satellite Applications** Disha Adhya (University of Calcutta, IN) Tannishtha Mazumdar (University of Calcutta, IN) Shivam Mishra (IIT BHU, IN) Sougata Chatterjee (NCRA TIFR, IN) Somak Bhattacharyya (IIT (BHU), IN)
12:15	1571343299	**An Ellipsoidal Earth Shadowing Model for Space VLBI Constellation Simulation** Sudhamshu Gangadhar (Indian Institute of Technology Indore, IN) Tiasha Biswas (University of New South Wales, AU) Harsha Tanti (Physical Research Laboratory, IN)
12:30	1571343339	**APSERa-1 Cryocooler - Laboratory Commissioning** Narendra S (Raman Research Institute, IN) Keerthipriya Sathish (Raman Research Institute, IN) Kasturi S (Raman Research Institute, IN)
12:45	1571343399	**A Low-Profile Multifunctional Metasurface Structure Towards Navigational and Next Generation Radio Astronomical Applications** Vishnu Mishra (IIT BHU, IN) Thottappan M (IIT (BHU), IN) Somak Bhattacharyya (IIT (BHU), IN)

Date: 15.12.2026
Timing: 11:45 to 13:00
Session Code: MAP26-D2-OP-II-CR2
Session Title: Special Session - Next-Generation Radio Astronomy Technologies for Space and Ground Observatories
Session Chair:

Timing	Paper ID	Paper Title
11:45	1571343565	**Characterization of Ionospheric Effects on Low-Frequency Radio Observations with SKA-Low** Samit Kumar Pal (Indian Institute of Technology, Indore, IN) Abhirup Datta (Indian Institute of Technology Indore, IN) Pritam Hore (Indian Institute of Technology, Indore, IN)
12:00	1571345165	**Comparative Analysis of Discrete and MMIC LNA Designs for Enhanced Sensitivity of the GMRT 550-850 MHz Receiver** Imran Khan (Tata Institute of Fundamental Research, IN) S. Sureshkumar (Tata Institute of Fundamental research, IN) Ankur P (Tata Institute of Fundamental Research, IN)
12:15	1571345469	**Design and Experimental Validation of a High Dynamic-Range B-Band Filtering LNA for RFI Resilient Radio Astronomy** Sougata Chatterjee (TIFR, IN) S. Sureshkumar (Tata Institute of Fundamental research, IN)
12:30	1571345950	**Phase and Amplitude Stability in RF over Fiber Link of the Upgraded GMRT** S. Sureshkumar (Tata Institute of Fundamental research, IN) Sanjeet Rai (Tata institute of fundamental Research, IN) Pravin Raybole (Tata Institute of Fundamental research, IN)
12:45	1571346064	**Managing Radio Frequency Interference at the Upgraded Giant Metrewave Radio Telescope** Divya Oberoi (National Centre for Radio Astrophysics, Tata Institute of Fundamental Research, IN) Ankur P (Tata Institute of Fundamental Research, IN) Pravin Raybole (Tata Institute of Fundamental research, IN) Yashwant Gupta (NCRA, TIFR, IN)

Date: 15.12.2026
Timing: 11:45 to 13:00
Session Code: MAP26-D2-OP-II-CR3
Session Title: Special Session - Next-Generation Radio Astronomy Technologies for Space and Ground Observatories
Session Chair:

Timing	Paper ID	Paper Title
11:45	1571346094	**Multi-Temporal Sentinel-1 SAR Data Based Crop and Urban Land Classification Using Information Theory Descriptors** Shreya Ojha (Indian Institute of Technology, Indore, IN) Sakshi Jain (Indian Institute of Technology, Indore, IN) Unmesh Khati (Astrophysics and Space Engineering, IIT Indore, Madhya Pradesh, IN)
12:00	1571346167	**Enabling Very Long Baseline Interferometry at Low Radio Frequencies with the uGMRT** Visweshwar Ram Marthi (Tata Institute of Fundamental Research, IN) Harshavardhan Suda (Tata Institute of Fundamental Research, IN) Sanjay Kudale (Tata Institute of Fundamental Research, IN) Bhal Joshi (Tata Institute of Fundamental Research, IN)
12:15	1571346272	**Next-Generation Digital Technology with SKA a Case Study** Prabu Thiagaraj (Raman Research Institute, IN) Yashwant Gupta (NCRA, TIFR, IN)
12:30	1571346532	**Artificial Intelligence (AI) Technologies for Next-Generation Radio Astronomy** Yogesh Wadadekar (Tata Institute of Fundamental Research, IN)
12:45	1571346536	**An Efficient CPU Based Real-Time Beamformer for the Ooty Radio Telescope** Arun Kumar Naidu (Tata Institute of Fundamental Research, IN)

Date:	**15.12.2026**	**Session Title: Special Session - Next-Generation Radio Astronomy Technologies for Space and Ground Observatories \ Special Session - Innovations in Reconfigurable Antennas and Microwave Components for 5G and 6G Wireless Systems**
Timing:	**11:45 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D2-OP-II-CR4**	

Timing	Paper ID	Paper Title
11:45	**1571347157**	**Indian Effort on Science Data Processing for the Square Kilometer Array** Narendra Nath Patra (Indian Institute of Technology, Indore, IN) Abhirup Datta (Indian Institute of Technology Indore, IN) Ruta Kale (Tata Institute of Fundamental Research, IN)
12:00	**1571348467**	**Development of a Tool for Analyzing the Performance and Signal Quality of the eGMRT Prototype Aperture Array** Kaushal Buch (Giant Metrewave Radio Telescope, NCRA, Tata Institute of Fundamental Research, IN) Jeet Katirsitti (TIFR, IN) Arvind Patel (TIFR, IN)
12:15	**1571320240**	**Frequency-Tunable SIW Cavity-Backed Self-Quadruplexing Multiband MIMO Antenna for 5G and Beyond Applications** P Vaishali (SRM Institute of Science and Technology, Kattankulathur, IN) Sounik Kiran Kumar Dash (SRM Institute of Science and Technology, Kattankulathur, IN) Mohsen Koohestani (ESEO School of Engineering, FR)
12:30	**1571320261**	**Design and Analysis of Frequency Reconfigurable SIW-Backed SQA for Multiband Wireless Applications** P Vaishali (SRM Institute of Science and Technology, Kattankulathur, IN) Hriday Jyothish (SRM IST, IN) Sounik Kiran Kumar Dash (SRM Institute of Science and Technology, Kattankulathur, IN)
12:45	**1571333466**	**Design and Experimental Validation of EMC Compliance Test Products for IEC/MIL Standards** Soumik Dey (Indian Institute of Science (IISc) Bengaluru, IN)

Date:	**15.12.2026**	**Session Title: Special Session - Advanced Reflectarray, Transmitarray, and Intelligent Metasurface Technologies for 6G Communication and Space Systems**
Timing:	**11:45 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D2-OP-II-CR5**	

Timing	Paper ID	Paper Title
11:45	**1571327759**	**Direction-of-Arrival Estimation Using Intelligent Reflecting Surfaces via Power-Domain Sensing** Utsav Giri (SAMEER Kolkata Centre, IN) Anant Goyal (Indian Institute of Technology Madras, IN) Himanshu Kujur (Sameer Kolkata, IN) Uday Khankhoje (Indian Institute of Technology Madras, IN) P Rao (Centre for Electromagnetics, SAMEER, IN)
12:00	**1571336459**	**Beam Steering of a Spiral Holographic Antenna Using a near-Field Phase-Transforming Metasurface** Arun Thekedathu Raveendran (University of Technology Sydney, AU)
12:15	**1571343415**	**Compact Dual-Band Frequency-Selective Surface Using a Shared SIW Cavity** Krushna Kanth Varikuntla (Queen's University Belfast, GB) Pratyancha Prasad (MNNIT, Allahabad, IN) Sumithra Panneerselvam (Siemens- Altair Engineering India Pvt Ltd, IN)
12:30	**1571343434**	**Phase-Only Multibeam Synthesis with a Millimeter-Wave Passive Reflectarray** Spandan Manna (RWTH Aachen University, DE) Florian Reher (RWTH Aachen University, DE) Dirk Heberling (RWTH Aachen University, DE)
12:45	**1571343446**	**Analytical Design Strategy and Multiuser Modelling of a Multibeam Modulated Metasurface** Anusuya Nandi (Indian Institute of Technology Kanpur, IN) Swarnadipto Ghosh (University of Ghent, BE) Manoj Kumar (IIT Kanpur, IN)

Date:	**15.12.2026**	**Session Title: Special Session - Advanced Reflectarray, Transmitarray, and Intelligent Metasurface Technologies for 6G Communication and Space Systems / Special Session - Advanced Microwave Components, Electromagnetic Modeling and Multiphysics Systems**
Timing:	**11:45 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D2-OP-II-CR6**	

Timing	Paper ID	Paper Title
11:45	**1571343520**	**Folded Metalens Based Dual Mode Converging OAM Beam Generation for 6G Long Distance Communication** Achuyt Bharalee (Tezpur University, IN) Abhilash Gayan (Tezpur University, IN) Nidhi Bhattacharyya (Tezpur University, IN)
12:00	**1571343537**	**Beam Shaping and Gain Enhancement of Horn Antenna Using Fourier-Phased Metasurface** Aman Kumar Mukhiya (FOT, University of Delhi, IN) Diptiranjan Samantaray (University of Delhi, IN) Somak Bhattacharyya (IIT (BHU), IN) Rajan Agrahari (National Institute of Technology Patna, IN)
12:15	**1571343578**	**A Dual Circularly Polarized Folded Reflectarray Antenna Using a Trimmed Metallic Reflector** Abhilash Gayan (Tezpur University, IN) Achuyt Bharalee (Tezpur University, IN) Nidhi Bhattacharyya (Tezpur University, IN)
12:30	**1571344804**	**A Dual Polarized Aperture Coupled Switchable Absorber/Reflector Unit Cell Loaded with-PIN Diodes** Pritam Bag (Indian Institute of Technology Delhi, IN) Mevada Pratik (SAC (ISRO), IN) Yogesh Tyagi (Space Applications Centre, ISRO, Ahmedabad, IN) Milind Mahajan (Space Applications Centre, ISRO, IN)
12:45	**1571343556**	**A Compact Broadband High Angular Stable and Polarization-Independent Metasurface Absorber Based on Symmetric Lossy FSS Resonator** Manish Sharma (National Institute of Technology Patna, IN) Shruti Kumari (National Institute of Technology Patna, IN) Vinod Kumar (National Institute of Technology Patna, IN)

Date:	**15.12.2026**	**Session Title: Special Session - Advancements in Integrated RFID monitoring, tracking and sensing systems**
Timing:	**11:45 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D2-OP-II-CR15**	

Timing	Paper ID	Paper Title
11:45	**1571318546**	**Design of RFID Reader Antenna for Object Tracking Systems** Radhika Raina (Indian Institute of Technology Ropar, IN) Ashwani Sharma (Indian Institute of Technology Ropar, IN) Suman Kumar (IIT Ropar, IN)
12:00	**1571319172**	**Assessment of a 5.8 GHz RFID Square Loop-Loaded Antenna for Image Transfer Using NR-IQA Methods** Gobind (University of Delhi South Campus, IN) Shailesh (University of Delhi South Campus, IN) Pranjal Naugain (University of Delhi South Campus, IN)
12:15	**1571327964**	**A Miniaturized High Bit-Density Ultra-Wideband Frequency-Coded Chipless RFID Tag** Tonmoy Saha (Indian Institute of Technology Ropar, IN) Shivam Bansal (Indian Institute of Technology, Ropar, IN) Ashwani Sharma (Indian Institute of Technology Ropar, IN)
12:30	**1571335990**	**A Miniaturized J-Pole Antenna with an Integrated Micropower EPC Gen2 RFID Sensor Tag for Industrial Production Trays** Michael Benegiamo (University of Perugia, IT) Gabriele Marasca (ARCES - University of Bologna, IT) Rudi Paganelli (CNR, National Research Council, IT) Marco Dionigi (University of Perugia, IT) Shruti Kathuria (Boston Scientific, IE) Aldo Romani (University of Bologna, IT) Paolo Mezzanotte (University of Perugia, IT)
12:45	**1571336460**	**Dual-Polarized Dual-Port UWB MIMO Circular Monopole-Based Reader Antenna for Chipless RFID Applications** Amit Birwal (University of Delhi, IN) Ravi (University of Delhi, IN) Kamlesh Patel (University of Delhi South Campus, IN)

Date:	**15.12.2026**	**Session Title: Special Session - Advancements in Integrated RFID monitoring, tracking and sensing systems / Special Session - Microwave Photonics for Next-Generation Radar, EW, Sensing and Secure Communication**

Timing:	**11:45 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D2-OP-II-CR16**	

Timing	Paper ID	Paper Title
11:45	1571336483	**High-Density Dual-Polarized Chipless RFID Tag Using Meandered Slot Resonators** Amit Birwal (University of Delhi, IN) Bhawana (New Delhi Municipal Council Pallika Kendra, IN) Kamlesh Patel (University of Delhi South Campus, IN)
12:00	1571336761	**Design and Analysis of a Novel Rhombus Shaped Chipless RFID Tag on Flexible Paper Substrate** Kusum Kumari (University of Delhi, IN) Amit Birwal (University of Delhi, IN) Kamlesh Patel (University of Delhi South Campus, IN)
12:15	1571336785	**RCS Characterization of a Slotted Modified Square Patch for Chipless RFID Applications** Jyotsna Gaur (University of Delhi, IN) Amit Birwal (University of Delhi, IN) Kamlesh Patel (University of Delhi South Campus, IN)
12:30	1571343349	**A Dual-Sided Chipless RFID Tag for Simultaneous Identification and Dielectric Sensing Without a Dedicated Sensing Layer** Chitturi Suneel Kumar (National Institute of Technology Rourkela, IN) Balakrishna Islavath (MeitY, IN) Situ Rani Patre (National Institute of Technology Rourkela, IN)
12:45	1571347966	**Broadband Wavelength-Flattened 50:50 and 90:10 Directional Couplers on a Fully Etched Si_3N_4 Platform** Amit Goyal (Solid State Physics Laboratory, DRDO, IN) Ashish Jindal (Solid State Physics Laboratory, DRDO, IN) Sunil Sharma (Solid State Physics Laboratory, IN)

Date:	**15.12.2026**	**Session Title: Special Session - Recent Advances in Computational Electromagnetics and AI-Driven RF Design and Optimization**
Timing:	**11:45 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D2-OP-II-CR17**	

Timing	Paper ID	Paper Title
11:45	1571335906	**Vectorial Quantum State Tomography for Rydberg MIMO Systems** Angeru Pavan Kumar (National Institute of Technology Rourkela, IN) Gunapu Ramarao (NIT Rourkela, IN) Sandip Ghosal (NIT Rourkela, IN)
12:00	1571336477	**Matrix Pencil Method for S11 Parameter Recovery from Truncated Time-Domain Signals** Karan Ramdas Jadhav (IIIT Naya Raipur, IN) Harsh Kumar Patel (IIIT NAYA RAIPUR, IN) Maifuz Ali (DSPM IIIT Naya Raipur, IN)
12:15	1571342587	**Inverse Design of Antenna Topology Using Physics-Informed Kolmogorov-Arnold Network** Avula Uttej Kumar (National Institute of Technology Rourkela, IN) Poojitha Naidu (NIT Rourkela, IN) Angeru Pavan Kumar (National Institute of Technology Rourkela, IN)
12:30	1571343346	**Deep-Ensemble Constraint-Aware Bayesian Optimization for Planar Antenna Array Synthesis** Praveen Singh (IIT Gandhinagar, IN) Kamla Ray (IIT, IN) Ravi Hegde (IIT Gandhinagar, IN)
12:45	1571343414	**Non Destructive Detection of Rebar Corrosion in RCC Pillars Using Dipole Antennas** Akshay Singh (Malaviya National Institute of Technology Jaipur, IN) Kuldeep Singh (Malaviya National Institute of Technology, IN) Rajendra Mitharwal (Malviya National Institute of Technology Jaipur, IN)

Date:	**15.12.2026**	**Session Title: Space Cluster**
Timing:	**11:45 to 13:00**	Karu P. Esselle (Space Cluster Space-Related Applications of Near-Field Meta-Steering Microwave Beam Steering Method)
Session Code:	**MAP26-D2-SC-CHall**	Yashwant Gupta (Space Cluster Next-Generation Radio Astronomy Technologies for Space and Ground Observatories)
		Ramesh Gupta (Space System Technologies' and/or MHz to THz Spectrum and Technologies for advanced 5G/6G Networks)

LUNCH BREAK (13:00 to 14:00)

Date:	**15.12.2026**	**Session Title: Plenary Session -II - by C.J. Reddy (Advanced Simulation Tools for Satellite Coverage and Interference Analysis)**
Timing:	**14:00 to 14:40**	
Session Code:	**MAP26-D2-P-II-CHall**	

Date:	**15.12.2026**	**Session Title: Plenary Session -III - by Fred Schindler (Trends in Mobile Communication)**
Timing:	**14:40 to 15:20**	
Session Code:	**MAP26-D2-P-III-CHall**	

Date:	**15.12.2026**	**Session Title: YP Plenary training talks and Round table Discussion**
Timing:	**15:30 to 18:00**	Talk I - Writing a Winning Project Proposal: What Funding Agencies Really Look For
Session Code:	**MAP26-D2-YP-Hanger**	Talk II - From Research to Publication: The Art of Writing a High-Impact Scientific Paper"
		Talk III - How to Write a Strong Patent: From Identifying Novelty to Drafting Claims

Date:	**15.12.2026**	**Session Title: Keynote Session -I**
Timing:	**15:30 to 16:00**	
Session Code:	CR-1	Dr. Francesco Andriulli (EM Digital Twins for Head-Brain Medium: Dosimetry, Imaging, Diagnostics)
	CR-2	Parthasarathy Ramaswamy (High-Speed Data Transfer: Copper Versus Optical – Past, Present and Future)
	CR-3	Dr Surendra Pal (Antenna Technology for Space borne systems)
	CR-4	Dr. Omar Ramahi (Towards a New Imaging Modality using Low Frequency Electromagnetic Energy)
	CR-5	Christophe Fumeaux ("From Modes to Beams: Multi-Port Multi-Mode Antennas"_
	CR-6	Vittorio Camarchia (High-Efficiency RF Transmitters for Future Wireless Systems: Load Modulation, Digital Control, and Practical Trade-Offs)

TEA BREAK (16:00 to 16:30)

Date:	**15.12.2026**	**Session Title: Track-II**
Timing:	**16:30 to 18:00**	**Session Chair:**
Session Code:	**MAP26-D2-OP-III-CR1**	

Timing	Paper ID	Paper Title
16:30	Invited Session	Amalendu Patnaik
16:45	1571343658	**Region-Adaptive Gated Convolution for Concealed Object Detection in Active Terahertz Imaging** Deepika K (CSIR-CEERI, IN) Dhiraj (CSIR-Central Electronics Engineering Research Institute, CSIR-Ceeri, Pilani, IN)

17:00	1571343590	**Isolation Enhanced 4 × 4 MIMO Antenna for 5G IoT Systems** Aditya Garg (Jawaharlal Nehru Government Engineering College, IN) Priya Sharma (Jawahar Lal Nehru Government Engineering College, Sundernagar, IN) Ajeet Thakur (Indian Institute of Technology Ropar, IN)
17:15	1571343707	**Learning Performance-Associated Design Windows in a Parametric Self-Decoupled MIMO Antenna Using Hybrid CNN-MLP Screening** Thakur Mahima Nuruti (IIIT Naya Raipur, IN) Aditi Joshi (IIIT Naya Raipur, IN) Arnav Bansal (Govind Ballabh Pant Institute of Engineering and Technology, IN)
17:30	1571332752	**Substrate Integrated Waveguide-Based Compact Dual-Band Self-Diplexing MIMO Antenna** Adeeba Waheed (Indian Institute of Information Technology Allahabad, IN) Sushil Yadav (Indian Institute of Information Technology Allahabad, IN) Amarnath Yadav (IIIT Allahabad, IN)
17:45	1571320252	**A Minimalist Attention-Based Enhancement for Concealed Weapon Detection in Passive Millimeter-Wave Imagery** Deepika K (CSIR-CEERI, IN) Dhiraj (CSIR-Central Electronics Engineering Research Institute, CSIR-Ceeri, Pilani, IN)

Date: 15.12.2026 **Session Title: Track-IV: THz, Photonics & Quantum Technologies**
Timing: 16:30 to 18:00 **Session Chair:**
Session Code: MAP26-D2-OP-III-CR2

Timing	Paper ID	Paper Title
16:30	Invited Session	GAURAV VARSHNEY (Theory of merging the graphene plasmons to microcavity resonance for tunable THz functional devices.)
16:45	1571319574	**Design and Simulation of Substrate Integrated Waveguide-Based Microstrip Patch Antenna at 140 GHz for Imaging and Security Devices** Tejus Navadagi (CSIR National Aerospace Laboratories, IN) Om Ranjan (CSIR-National Aerospace Laboratories, IN) Balamati Choudhury (National Aeronautics Laboratory, IN)
17:00	1571336641	**Impact of Control-Loop Parameters on Phase Noise of Optically Generated Microwave Carrier** Sumana De (Indian Institute of Technology, Madras, IN) Kimaya Kerkar (Indian Institute of Technology Madras, IN) Sreeraj s J (Indian Institute of Technology, Madras, IN)
17:15	1571343564	**Terahertz Imaging for Quality Assessment of 3d-Printed Polymer Materials** A. Mercy Latha (Central Electronics Engineering Research Institute, IN) Kabilan K (Academy of Scientific and Innovative Research (AcSIR), IN) Venumadhav R (IIITDM Kancheepuram, IN)
17:30	1571349175	**Ultra-Low-Power Heterogeneous Integration of Silicon Photonic Transceivers for AI Data Centers - a Review** Richa Anand (Birla Institute of Technology and Science, IN) Abhishek Karwa (BITS, Pilani, IN) Rahul Singhal (BITS Pilani, IN)
17:45	1571343320	**Design and Development of Vivaldi Antenna Array Based RF Front End for Passive Drone Detection** Vipin Paradkar (Larsen & Toubro Limited, IN) Vikramjeetsingh Grewal (Larsen & Toubro Ltd., IN) Shriram Shinde (Larsen and toubro LTD, IN)

Date: 15.12.2026 **Session Title: Track-VI: Measurement Techniques**
Timing: 16:30 to 18:00 **Session Chair:**
Session Code: MAP26-D2-OP-III-CR3

Timing	Paper ID	Paper Title
16:30	Invited Session	Sougata Chatterjee (Advanced Array Antenna Techonologies for Next Generation Communication: Transmitarrays, Reflectarrays and Transmit-Reflectarrays)
16:45	1571335505	**Generation of Highly Repeatable, Low PAPR Complex Multitone Signal for Noise Power Ratio Measurements for Inorbit Scenario** Soumyaranjan Rana (Space Applications Centre (ISRO) Ahmedabad, IN) Chaitanya Thummar (Space Applications Centre (ISRO) Ahmedabad, IN) Bhuwaneshwar Semwal (Space Applications Centre, ISRO, IN)
17:00	1571329049	**Intensity-Based Millimeter-Wave Measurements of Antenna Polarization and Its Uncertainty** Dabbagatla Saverika (Indian Institute of Technology, Roorkee, IN) Utpal Dey (Indian Institute of Technology Roorkee, IN)
17:15	1571343558	**Orthogonal Coding-Based over-the-Air Calibration for Phased Array Antennas: Methodology and Performance Validation** Anik Saha (Space Applications Centre, IN) Shiv Pareek (ISRO, IN) Jatin Trivedi (Space Applications Centre, IN)
17:30	1571336431	**Precise Probe Phase Center Investigation of Active Radar Antenna Array Inside NFTR Chamber** Om Prakash (Bharat Electronics Limited, IN) Krishnendu Karmakar (Bharat Electronics Limited, IN)
17:45	1571343450	**Implantable Magnetoelectric Antenna for Biomedical Applications: Design and Feasibility Study** Soumyadeep Das (Queen's University of Belfast, GB) Tilottoma Saha (Tyndall National Institute, IE) Saibal Roy (Tyndall National Institute, IE)

Date: 15.12.2026 **Session Title: Track-VIII: Electromagnetic Environment and Interference**
Timing: 16:30 to 18:00 **Session Chair:**
Session Code: MAP26-D2-OP-III-CR4

Timing	Paper ID	Paper Title
16:30	Invited Session	Somak Bhattacharya (Metasurface Applications in Microwave and Beyond)
16:45	1571320102	**SEIR: A Synchronization-Enhanced ISAC Architecture with an RF Multiplexing Framework** Adarsh Nayak (Centre for Development of Telematics, IN) Srinikhil Golla (Centre for Development of Telematics, IN) Amit Karna (Centre for Development of Telematics, IN)
17:00	1571346057	**Design and Performance Analysis of a Passive Conducted EMI Filter for Electric Tractors in Precision Agriculture** Govindarajan Venkat Babu (SASTRA Deemed University, IN) Aarthi R (SASTRA Deemed University, IN)
17:15	1571341635	**Experimental Time Domain Shielding Characterization of an EMC Chamber Using PCA** Rakesh Kichouliya (Research Centre Imarat-drdo, IN) Sandeep Satav (RCI DRDO, IN) V Rao (Defense Research Development Organization, IN)
17:30	1571343413	**ForgeMeters: A Real-Time Industrial Health Auditing via EMI-Resistant Edge-DSP** Suyog S (Indian Institute of Information Technology and Management - Gwalior, IN) Pinku Ranjan (IIITM Gwalior, IN)
17:45	1571329151	**Dual Band MIMO Conformal Implantable Antenna for Bio-Telemetry Using Meandered Hilbert Lines** Gopinath Samanta (The LNM Institute of Information Technology, IN) Shankar Bhattacharjee (IIIT Nagpur, IN) Tarakeswar Shaw (Birla Institute of Technology (BIT) Mesra, IN)

Date: 15.12.2026 **Session Title: Track-VI: Measurement Techniques**
Timing: 16:30 to 18:00 **Session Chair:**
Session Code: MAP26-D2-OP-III-CR5

Timing	Paper ID	Paper Title
16:30	Invited Session	Kumar Vaibhav (Time Modulated Metasurface for Next Generation Stealth System)
17:00	1571335552	**An Ultra-Thin Polyamide Based Flexible FSS for X Band Conformal Applications** Shaik Vahida (None, IN) Srinivasa Rao Inabathini (VIT University, IN)

17:15	1571336445	**De-Embedding Technique for Frequency Response of Test Network and Instrumentation** Anik Saha (Space Applications Centre, IN) Shiv Pareek (ISRO, IN) Hanuman Meena (Space Applications Centre, IN)
17:30	1571343228	**Development of Different Algorithms for Drone-Based Antenna Measurement Systems and near-Field Error Analysis** Simranjit Singh (Indian Institute of Technology (IIT) Delhi, IN) Jaswant Sharma (SAC (ISRO), IN) Jigar Pandya (SAC ISRO, IN)
17:45	1571346223	**Meandered Line Integrated CSRR Sensor for Detection of Impurities in Edible Oil** Ankita Kumari (Indian Institute of Technology Kanpur, IN) Ashlesha Ingole (Indian Institute of Technology, Kanpur, IN) Saksham Advani (Manipal Academy of Higher Education (MAHE), IN)

Date: 15.12.2026 **Session Title: Track-VIII: Electromagnetic Environment and Interference**
Timing: 16:30 to 18:00 **Session Chair:**
Session Code: MAP26-D2-OP-III-CR6

Timing	Paper ID	Paper Title
16:45	1571342854	**Compact 5.8 GHz M-Shaped Notch Implantable Antenna for Biomedical Applications** Yuvraj Singh (Galgotias College of Engineering and Technology, IN) Shilpee Patil (Galgotias College of Engineering and Technology, IN)
17:00	1571337374	**Crosstalk Measurement of Two Coupled Microstrip Lines Deployed on Recycled-HDPE Material** Novelita Rahayu (Institut Teknologi Bandung, ID) Hartuti Mistialustina (Universitas Sangga Buana, ID) Chairunnisa (Institut Teknologi Bandung, ID) Achmad Munir (Institut Teknologi Bandung, ID)
17:15	1571336546	**Dual-Band GNSS anti-Spoofing Using Cross-Band Steering Vector and CNR-Adaptive IVW Fusion** Gunapu Ramarao (NIT Rourkela, IN) Angeru Pavan Kumar (National Institute of Technology Rourkela, IN) Sandip Ghosal (NIT Rourkela, IN)
17:30	1571320120	**Optically Transparent Nano Silver Coated Polymer Sheet for Electromagnetic Shielding** Pritom Jyoti Bora (Loughborough University, GB) Aakash Bansal (Loughborough University, GB) William Whittow (Loughborough University, GB)
17:45	1571319071	**Printed LPDA for EMC Metrology at the MeerKAT Radio Telescope** Erick Ochieng (Rhodes University, ZA) Stanley Kuja (Rhodes University, ZA)

Date: 15.12.2026 **Session Title: Track-X: Emerging Technologies and Applications**
Timing: 16:30 to 18:00 **Session Chair:**
Session Code: MAP26-D2-OP-III-CR15

Timing	Paper ID	Paper Title
16:30	Invited Session	Pinku Ranjan
16:45	1571343425	**Implantable Antennas for Cancer-Recurrence Sensing: A Perspective on Biomarkers, Biosensors, and RF Design** Sumer Singhwal (Politecnico di Torino, IT) Ladislau Matekovits (Politecnico di Torino, IT) Ildiko Peter (George Emil Palade University, Targu-Mures, RO)
17:00	1571304921	**7-Node Cooperative Hybrid Spectrum Sensing on FPGA with Dividerless Entropy and Weighted Fusion** Ande Sravana Kumar (Vellore Institute of Technology Chennai, IN) Priyanka Das (VIT Chennai, IN) Keertana Chilakapati (Vellore Institute of Technology Chennai, IN)
17:15	1571346314	**Emerging AI-Driven Approaches to Microwave Remote Sensing: A Compress-Adapt-Deploy Framework for Edge-Deployable Earth Observation** Nisha Joshi (Central University of Karnataka, IN)
17:30	1571336653	**ML Integrated RF Sensor for NI Glucose Estimation** Sanjana Banerjee (Indian Institute of Technology, Palakkad, IN) Neelima Bandarla (Indian Institute of Technology Palakkad, IN) Bavanamrutha Pillutla (Indian Institute of Technology Palakkad, IN)
17:45	1571346113	**Real-Time Pothole Detection from Webcam Footage Using Edge AI on Raspberry Pi 5** Jayshree Das (B V Raju Institute of Technology Narsapur, Medak, IN) Pranay Kumar Chanti (BVRIT, IN) Parcha Siddarth Kasyapa (B V Raju Institute Of Technology, IN)

Date: 15.12.2026 **Session Title: Track-X: Emerging Technologies and Applications**
Timing: 16:30 to 18:00 **Session Chair:**
Session Code: MAP26-D2-OP-III-CR16

Timing	Paper ID	Paper Title
16:30	Invited Session	Jawad Siddique
16:45	1571336558	**Resonant Frequency of an Annular Ring-Shaped Cylindrical Dielectric Resonator Antenna** Sudipta Maity (National Institute of Technology Rourkela, IN)
17:00	1571336371	**Design and Analysis of Vertical and Surface PiN Diodes for Solid State Plasma Antenna** Saurabh Suman (Jabalpur Engineering College, IN) Raksha Ram (ISRO, IN) Mevada Pratik (SAC (ISRO), IN) Sanjeev Kulshrestha (Space Application Centre, ISRO, IN)
17:15	1571336748	**Design of Compact Circularly Polarized Monopulse Antenna Array with High Efficiency and Low Axial Ratio at 10 GHz for Tracking Application** Hrijith K (Indian Institute of Technology Palakkad, IN) Sukomal Dey (Indian Institute of Technology Palakkad, IN)
17:30	1571302965	**GUI-Based AI Tool for Automated Microstrip Patch Antenna Array Optimization** Shreyas Aradhya (RV College of Engineering, Bengaluru, IN) Samarth Gotrale (R V College of Engineering, Bengaluru, IN) Ravi Kumar (RV College of Engineering, IN) Ashutosh Kedar (Scientist G, IN) Viswavardhan Reddy Karna (RV College of Engineering, IN)
17:45	1571343072	**Machine Learning-Assisted SIW Based Microwave Sensor for Rapid and Non-Destructive Detection of Oil Adulteration** Mahi Agarwal (Jaypee Institute of Information Technology, IN) Navya Jain (Dept. of ECE, Jaypee Institute of Information Technology, Noida, IN) Abhay Kumar (Jaypee Institute of Information Technology, IN)

Date: 15.12.2026 **Session Title: Proposal Writing Workshop (BPC)**
Timing: 16:30 to 18:00 **Session Chair: Debabani Choudhury**
Session Code: MAP26-D2-G-CHall

Date: 15.12.2026 **Session Title: Use of Technology to reduce Man Animal Conflict Panel Discussion (Sight initiative)**
Timing: 16:30 to 18:00
Session Code: MAP26-D2-G-CR-17

Date: 15.12.2026 **Session Title: FSFC (Special Dignitaries)**
Timing: 16:30 to 18:00
Session Code: MAP26-D2-G-BR

	INAUGURATION (18:00 to 20:00)
	WELCOME DINNER (19:30 to 21:00)

DATE 16.12.2026

16.12.2026 | Day-3	Industry Exhibition
	Internships & Job Fair
	ISTP-1: Sustainable Microwave Technology for Smart City
	Oral Presentation - IV
	Tea
	Plenary Session-IV by Thomas Braxton
	Plenary Session-V by Nuno Borges Carvalho
	Plenary Session-VI by Kaushik Sengupta
	Lunch
	Keynote Session-II
	Oral Presentation - V
	Chapter Chair Meeting
	High school student workshop (STEM / COPE)
	Tea
	Oral Presentation - VI
	Ask us Anything
	MAPCON Execomm meeting
	High school student session on how to handle failure by Sujata Kedar
	Social Activities under IEEE initiatives in clollabriation with Zero Gravity
	Kids Drama @ MAPCON: APS, MTTS and EMC Technologies
	Student Design Hackathon

Date: 16.12.2026 **Session Title: Industry Exhibition, Internship and Job Fair**
Timing: Full Day
Session Code: MAP26-D3-IE-I

Date: 16.12.2026 **Session Title: ISTP-1: Sustainable Microwave Technology for Smart City**
Timing: 8:30-10:30
Session Code: MAP26-D3-IE-I

Date: 16.12.2026 **Session Title: Track-II: Antennas & Propagation**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D3-OP-IV-CR1

Timing	Paper ID	Paper Title
08:30	1571346018	**A Broad-Beam Comb-Slot SIW Antenna for Global Coverage Inter-Satellite Links on 1U CubeSats** Khushboo Daga (University of Glasgow, GB) Vimal Chaudhary (University of Glasgow, GB) Qammer Abbasi (University of Glasgow, GB)
08:45	1571343354	**A Shared-Aperture Compact CP Loop Antenna Based on Common and Differential Modes** Amit Birwal (University of Delhi, IN) Kunsh Bhagat (University Of Delhi, IN)
09:00	1571343529	**Advanced Design of Aperture-Coupled DRA with Strategically Controlled Ground Plane Current** Subhabrata Bose (Indian Institute of Technology, Delhi, IN) Arghyadipta Koley (University of Calcutta, IN) Sanjit Mukherjee (University of Calcutta, IN)
09:15	1571343105	**Design and Analysis of Active Huygens Metasurface Antenna Arrays for High Throughput Satellite Ground Terminals** Soham Bhanare (Indian Institute of Information Technology Nagpur, IN) Debasish Acharya (Indian Institute of Information Technology Nagpur, IN) B Naik (IIIT Nagpur, IN)
09:30	1571320559	**Design and Analysis of Stacked Shared Aperture Antenna for ISAC Applications** Harshith B (RV College of Engineering, Bangalore, Karnataka, IN) Vipul Joshi (RV College of Engineering, Bengaluru, IN) A Mahesh (RV College of Engineering, IN)
09:45	1571343312	**Design and Simulation of a Shared-Aperture Ku/Ka-Band MIMO Antenna for UAV Command-and-Control and High-Throughput Payload Links** Himadri Ghosh (KIIT University, IN) Sudhakar Sahu (KIIT University, Bhubaneswar, IN)
10:00	1571343563	**Multihyperuniform Shared-Aperture Array Synthesis for Wide-Angle Multiband Scanning** Gedala Sai Praveen (none, IN) Satish Srivastava (Indian Institute of Technology, Kanpur, IN) Rishi Mishra (Indian Institute of Technology Kanpur, IN)
10:15	1571336561	**Planar Broadband Matematerial-Based SIW Antenna for Wide-Angle Fixed Frequency Beam Switching** Soumyadeep Ghosh (Indian Institute of Technology-Palakkad, IN) Sukomal Dey (Indian Institute of Technology Palakkad, IN)

Date: 16.12.2026 **Session Title: Track-II: Antennas & Propagation**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D3-OP-IV-CR2

Timing	Paper ID	Paper Title
08:30	1571344202	**A Compact 2×2 MIMO Antenna with Cross-Shaped DGS for Enhanced Isolation** Imaculate Rosaline S (Ramaiah Institute of Technology, IN) Nivedita Biserotti (Ramaiah Institute of Technology, Bangalore, IN) Visvajit Ganesh (Ramaiah Institute of Technology, IN)
08:45	1571336738	**A Compact Wideband Quad-Port MIMO Antenna with Enhanced Isolation for C- and X-Band Applications** Maddirala Kumar (VIT, IN) Bappadittya Roy (VIT-AP University, Amaravati, IN) Prabhu Kumar K (Vignan's Lara Institute of Technology and Science, IN)

09:00	1571343553	**A Split-Ring-Loaded Quad-Port MIMO Antenna with Enhanced Isolation for ISM Band Applications** Tanush Meher (none, IN) Maddirala Kumar (VIT, IN) Tirumala Rao Kadiyam (PSCMR college of Engineering & Technology, IN) Anil chowdary T (SRK Institute of Technology, IN)
09:15	1571336613	**A Wideband Two-Element THz MIMO Antenna with Hybrid Decoupling Structures for Enhanced Isolation** Praveen Kumar (Manipal Institute of Technology, IN) Parveez B G (NMAM Institute of Technology, IN) Tejaswinee Gunjal (Manipal Institute of Technology, IN)
09:30	1571319306	**Connected Hexagonal MIMO Antenna with Enhanced Bandwidth and Isolation for ISM/DSRC** Devraj Gangwar (Galgotias College of Engineering and Technology, IN) Inderkumar Kochar (Fr. Conceicao Rodrigues College of Engineering, IN) Devendra Kumar (IIT Roorkee, IN)
09:45	1571336765	**DGS Based Compact Quad-Port Wearable MIMO Antenna Using a Resonator for Enhanced Isolation in ISM Band Applications** Ratna Kumari Duru (VIT-AP University, IN) Prabhu Kumar K (Vignan's Lara Institute of Technology and Science, IN) Divya Kolusu (VIT AP University, IN)
10:00	1571321227	**In-Band RCS Reduction of Eight-Port MIMO Antenna with Phase Gradient Metasurface** Sai C V (JNTUA College of Engineering Pulivendula, IN) Reshma S P (IIITDM Kancheepuram, IN) Vishnu Vardhan Dupakuntla (JNTUA. College of Engineering Pulivendula, IN)
10:15	1571336657	**Quad-Port Conformal MIMO Antenna with Enhanced Isolation for Body-Centric Communications** Debanjali Sarkar (VIT-AP University, IN) Partha Shome (SR University, Warangal, IN) Jogesh Dash (National Institute of Technology Rourkela, IN)

Date: 16.12.2026 **Session Title: Track-II: Antennas & Propagation**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D3-OP-IV-CR3

Timing	Paper ID	Paper Title
08:30	1571345875	**A Compact Dual-Band Circularly Polarized Microstrip Antenna with Equivalent Circuit Validation for GNSS Reflectometry** Snigdha Das (National Institute of Technology Meghalaya, IN) Amartya Paul (Indian Institute of Information Technology Pune, IN) Pulagam Reddy (National Institute of Technology Meghalaya, IN) Shubhankar Majumdar (National Institute of Technology Meghalaya, IN)
08:45	1571342771	**A Compact Resistively-Loaded Folded Loop Antenna for Dual-Band UHF Operation** Zhen Wang (Tongji University, CN) Jawad Siddiqui (Royal Military College of Canada, CA) Anisha Apte (Synergy Microwave Corporation, IN) Mei Song Tong (Tongji University, CN)
09:00	1571342875	**A Novel Triple-Composite Fractal Antenna for Miniaturized Wi-Fi Terminals** Jian Shi (Tongji University, CN) Jawad Siddiqui (Royal Military College of Canada, CA) Anisha Apte (Synergy Microwave Corporation, IN) Mei Song Tong (Tongji University, CN)
09:15	1571329090	**Compact Cost Effective Wideband Cross Dipole Antenna for GNSS Aplications** Vishrutha Dinakaran (BEL, IN) Shailendra Singh (BEL, IN) Daniyal Tarique (BEL, IN)
09:30	1571336677	**Compact Dual-Band Triple-Polarization Reconfigurable Magnetoelectric Dipole Antenna** Ayush Kumar (Indian Institute of Technology Bhilai, IN) Abhinav Kumar (Indian Institute of Technology Bhilai, IN) Aditya Singh (Indian Institute of Technology Bhilai, IN)
09:45	1571320201	**Design of a Compact Triple-Band Bandpass Filter Using Symmetrical Ring Resonators and Slotted Stubs** Jeyavendan Salaithillaithilagam (G Pulla Reddy Engineering College, IN) Sowjanya Ampavathina (IIITDM Kurnool, IN) Padakandla Chenna Praveen Kumar (JNTUA, IN)
10:00	1571343318	**Reconfigurable Dual Band Blade Antenna for VHF and UHF Band Applications** Gaurav Kumar (SAC ISRO, IN) Ramesh Gupta (Space Applications Centre ISRO, IN) Vijay Kumar Singh (Co-author, IN)
10:15	1571331742	**Tunable Graphene SRR-Loaded Wearable Dual-Band THz Antenna with Low SAR for on-Body Applications** Kamal Yadav (Delhi Technological University, IN) Mavulluru Ganesh (Delhi Technological University, IN) Om Verma (Delhi Technological University, IN)

Date: 16.12.2026 **Session Title: Track-II: Antennas & Propagation**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D3-OP-IV-CR4

Timing	Paper ID	Paper Title
08:30	1571343206	**A Compact Dual-Port Ultra-Wideband MIMO Antenna with a Reconfigurable X-Band Notch** Hui Fang Gong (Tongji University, CN) Jawad Siddiqui (Royal Military College of Canada, CA) Anisha Apte (Synergy Microwave Corporation, IN) Mei Song Tong (Tongji University, CN)
08:45	1571319992	**A Compact High Isolation H-Shaped 4×4 MIMO Antenna Using H-Shaped Substrate for Emerging 5G/6G mmWave Applications** Devendra Kumar (IIT Roorkee, IN) Manojkumar Agrawal (IIT Roorkee, IN) Nagendra Pathak (Indian Institute of Technology Roorkee, IN)
09:00	1571343530	**Deep Learning-Based Adaptive Beam Steering and Side-Lobe Optimization for Phased Antenna Arrays in 5G/6G Networks** Krushna Rajesh Shahakar (Ramdeobaba University, IN) Om Ainchwar (Ramdeobaba university, IN)
09:15	1571336514	**Digitally Controlled Beam-Steering Holographic Antenna with an Integrated Wilkinson Power Divider and PIN Diodes** Prashant Singh (University of Delhi South Campus, IN) Ashwani Kumar (University of Delhi, IN) Maifuz Ali (DSPM IIIT Naya Raipur, IN) Raj Mittra (University of Central Florida, TR)
09:30	1571313830	**Main Lobe-Oriented Beam Steering in DSF Antennas for Enhanced Vehicular Communications** Shalikram Rajpoot (Sandip University Nashik, IN) Swati Mv (National Institute of Technology Silchar, IN)
09:45	1571320207	**On-Body Performance Evaluation of Reconfigurable Beam-Steering Antenna** Gaddala Rajeev Kumar (Indian Institute of Engineering Science and Technology, IN) Saurav Roy (Indian Institute of Engineering Science and Technology, Shibpur, IN) Souradeep Das (IIEST, IN)
10:00	1571336568	**Smartphone Hybrid Side-Frame and Back-Cover MIMO Antenna for Wideband 5G/6G Applications** Jyoti (University of Delhi, IN) Arun (University of Delhi, IN) Ashwani Kumar (University of Delhi, IN)
10:15	1571345958	**UWB MIMO Antenna with Polarization Diversity Using Fractal Structures for Isolation Improvement** Jeet Banerjee (Adamas University, IN)

Date: 16.12.2026 **Session Title: Track-II: Antennas & Propagation**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D3-OP-IV-CR5

Timing	Paper ID	Paper Title
08:30	1571343263	**A Compact Multi-Band Flexible Antenna with Stable Electromagnetic Characteristics Under Cylindrical Deformation** Vinay Deshpande (Pes University, IN) Chinmay Patil (PES University, IN) Dhanush Gowda R (Pes University, IN)
08:45	1571328868	**Challenges in the Selection, Interfacing and Integration of Different Categories of Sensors with Active Array Antenna Unit** Abhinandan Sarkar (Government Agency, IN) Jayabrata C (LRDE, DRDO, IN) Bhagam Guruvulu (LRDE, IN) Suchith Rajagopal (Defence R and D Organization, IN) Sheik M (LRDE, IN)

09:00	1571336705	**Design and Analysis of a Compact Wideband Printed Log-Periodic Dipole Array Antenna for Multi-Band ISM and Direction Finding Applications** Ravanth Dontula (Defence Institute of Advanced Technology, IN) Ajay Prudhvi Raj Pasupula (Defence Institute of Advacned Technology, IN) Kamla Prasan Ray (Defence Institute of Advanced Technolgy Pune INDIA and IIT Gandhinagar, IN)
09:15	1571327780	**Dual-Polarized Full-Metal Magneto-Electric Dipole Antenna for Wideband High Power Handling** Satyajit Chakrabarti (SAMEER Kolkata, IN) Utsav Giri (SAMEER Kolkata Centre, IN) Ashim Chakraborty (SAMEER Kolkata Centre, IN)
09:30	1571343284	**Mesh-Size Dependence of the RWG Dipole Model for Bowtie Antenna near Fields** Ananya Dey (IIT Kharagpur, IN) Amitabha Bhattacharya (IIT Kharagpur, IN)
09:45	1571336414	**Multi-Focal Hyperbolic Lenslet Array for 3-D Microwave Imaging and 2-D Single Shot Imaging** Naren Sabarish Baskaran (Indian Institute of Technology Madras, IN) Krishnamoorthy Chitti (Indian Institute of Technology Madras, IN) Subramanian Venkatachalam (Indian Institute of Technology Madras, IN)
10:00	1571336268	**Studies on Various Types of Array Architectures for Performance Enhancement of Phased Array Antennas** Pratik Ukey (Sai Vidya Institute of Technology, IN) Preetham H (Sai Vidya Institute of Technology, IN) Vinay Bhavi (Sai Vidya Institute of Technology, IN)
10:15	1571336602	**T-PLPDA Antenna: Tapered Printed Log-Periodic Dipole Array Antenna** Anand M (Centre for Development of Telematics, IN)

Date: 16.12.2026 **Session Title: Track-II: Antennas & Propagation**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D3-OP-IV-CR6

Timing	Paper ID	Paper Title
08:30	1571341630	**A Compact Patch Antenna with Superior Harmonic Reduction for DSRC Band** Devendra Kumar (IIT Roorkee, IN) Manojkumar Agrawal (IIT Roorkee, IN) Nagendra Pathak (Indian Institute of Technology Roorkee, IN)
08:45	1571343557	**A Dual-Band Koch-Fractal Circular Patch Array with Central Diamond-Slot Perturbation for 5G NR n257/n258 Millimetre-Wave Systems** K. G. Sujanth Narayan (SASTRA Deemed University, IN) Rajesh Kumar D (Vel Tech R&D Institute, Chennai, IN) Karthikeyan S (SASTRA Deemed to Be University, IN)
09:00	1571345396	**Circular Patch Antenna for Widebeam Using via-Fence and Parasitic Ring Elements** Shraddha Hiranwar (Shri Ramdeobaba College of Engineering and Management, Nagpur, IN) Rutuja Karemore (Shri Ramdeobaba College of Engineering and Management, IN) Samiksha Karemore (G.H. Raisoni College of Engineering, IN)
09:15	1571310246	**Electromagnetically Fed Slot Cut Circular Microstrip Antennas for Dual Band Circular Polarized Response** Venkata Annapurna Priyadarshini Chavali (IIIT SURAT, IN) Amit Deshmukh (DJSCOE, IN)
09:30	1571311898	**Low Pass Filter Integrated Patch Antenna for L-Band Applications** Shivam Singh (Shri Mata Vaishno Devi University, IN) Kumud Jha (Shri Mata Vaishno Devi University, Jammu and Kashmir, IN) Satish Sharma (San Diego State University, US)
09:45	1571336399	**Multifunctional Circular Patch Antenna with L-DGS for Wearable Systems and Rice Moisture Detection** Ribhu Panda (Centurion University of Technology and Management, Odisha, IN) Prabhat Patnaik (Centurion University of Technology and Management, IN) Dhruba Panda (Berhampur University, IN)
10:00	1571346002	**Performance Analysis of Transparent Circular Patch Antenna Using ITO on Diverse Substrates** K Santosh Kumar (GITAM University, IN) Srinu Budumuru (GITAM, IN)
10:15	1571332167	Response Surface Modelling of a Crossed-Elliptical Slot Circular Patch Antenna for Upper-C Band Ayush Mondal (Institute of Engineering and Management, IN) Debanjan Mondal (Institute of Engineering and Management, IN) Malay Gangopadhyaya (University of Engineering and Management, Kolkata, IN)

Date: 16.12.2026 **Session Title: Track-II: Antennas & Propagation**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D3-OP-IV-CR15

Timing	Paper ID	Paper Title
08:30	1571343325	**A Compact PET-Based Ultra-Broadband Monopole Antenna** Kanwar Preet Kaur (Charotar University of Science and Technology, IN) Trushit Upadhyaya (Charotar University of Science and Technology, IN) Upesh Patel (Charotar University of Science and Technology, IN)
08:45	1571343646	**A Compact Ultra-Wideband Bidirectional Monopole Antenna for Ground-to-Air and Ground-to-Ground V2X Communications** Aditya Gupta (Indian Institute of Technology Ropar, IN) Sundeep Kumar (Indian Institute of Information Technology Design and Manufacturing Kancheepuram, IN) Ashwani Sharma (Indian Institute of Technology Ropar, IN)
09:00	1571300723	**A Lotus Shaped Planar Monopole Antenna for UWB and X-Band Applications** Sashank V (VIT Bhopal University, IN) Mohammad Sarwar Raeen (VIT Bhopal University, IN) Pavan Mehta (VIT Bhopal University, IN)
09:15	1571334339	**Analytical Design and Perturbation-Based Optimization of a Circularly Polarized Printed Circular Monopole Antenna for Sub-GHZ/Wideband Applications** Ajay Prudhvi Raj Pasupula (Defence Institute of Advacned Technology, IN) Hariharan Pippari (Defence Institute of Advanced Technology, IN) Kamla Prasan Ray (Defence Institute of Advanced Technolgy Pune INDIA and IIT Gandhinagar, IN)
09:30	1571300126	**Design and Simulation of a Compact Wideband Circular Monopole Antenna with Modified Ground Plane for S/C-Band Wireless Applications** Barun Dhabal (NIT Rourkela,, IN) Akhilesh Kumar (Indian Institute of Technology (IIT) Bhubaneshwar Odisha, IN) Prabina Pattanayak (National Institute of Technology Silchar, IN)
09:45	1571313336	**Design of Ultra-Wideband Monopole Antenna for Automotive Applications** Parul Gupta (Mercedes-Benz AG, IN) Anjay Prasad (Mercedes-Benz, IN)
10:00	1571319635	**FDTD Based Insights into the near-Field Energy Density Around Hybrid Monopole-DRAs** Debdeep Sarkar (Indian Institute of Science, IN) Yahia Antar (Royal Military College of Canada, CA)
10:15	1571340431	**Patch Antenna with Reactive Impedance Surface Metasurface and Fabry-Perot Cavity for 5G Sub-6 GHz Small Cell Applications** Sarthak Sunilkumar Lohiya (Shri Ramdeobaba College of Engineering and Management, IN) Ankita Harkare (Shri Ramdeobaba College of Engineering and Management, Nagpur, IN) Sana Sheikh (Shri Ramdeobaba College of Engineering and Management, IN) Shreya Verma (Shri Ramdeobaba College of Engineering and Management, IN)

Date: 16.12.2026 **Session Title: Track-II: Antennas & Propagation**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D3-OP-IV-CR16

Timing	Paper ID	Paper Title
08:30	1571336556	**A Compact Wide-Band Circularly Polarized Wearable Antenna Using Polarization Rotating Metasurface** Ravi Gangwar (IIT ISM Dhanbad, IN) Nibash Sahu (IIT (ISM) Dhanbad, IN)
08:45	1571343552	**A Fractal-DGS Triangular Microstrip Antenna with Enhanced Circular Polarization and Improved XP-Discrimination** Ramya R (Unistring Tech Solutions, IN) Usha Sunkari (Unistring Tech Solutions, IN) Shilpi Gupta (SVNIT, IN)

09:00	1571336679	**A Multi-Resonant Wideband Cavity Backed SIW Antenna for C-Band Wireless Applications** Amrandra Hari (Jaypee Institute of Information Technology, IN) Nidhi Tewari (JIIT Noida, IN) Vishal Singh (Jaypee Institute of Information Tehcnology, Noida 62, IN)
09:15	1571321211	**A Wideband SIW Multi-Slot Antenna for 5G mmWave n258/n261 Band Applications** Anil Rajput (Bennett University, IN) Sanghmitra (Indian Institute of Technology (ISM) Dhanbad, IN) Ravi Gangwar (IIT ISM Dhanbad, IN)
09:30	1571346163	**Compact C-Band Vivaldi Antenna with Analytically Dimensioned Back-Cavity Choke for Single-Band Applications** Het Gala (Bharatiya Vidya Bhavans Sardar Patel Institute of Technology, IN) Aparna Jha (Sardar Patel Institute of Technology, IN) Atharv Dhage (Sardar Patel Institute of Technology, IN) Kiran Rathod (K.J. Somaiya Institute of Technology, Sion, IN)
09:45	1571343397	**Compact Cylindrical Cavity-Backed Antenna for Broadband Circular Polarization** Barun Dhabal (National Institute of Technology Rourkela, IN) Balakrishna Islavath (MeitY, IN) Situ Rani Patre (National Institute of Technology Rourkela, IN)
10:00	1571343493	**Conduction Current Moderation to Achieve DRA Polarization Purity: Synthesis and Measurement** Sk Rafidul (HCLTech, IN) Satyajit Chakrabarti (SAMEER Kolkata, IN) Debatosh Guha (University of Calcutta, IN)
10:15	1571343663	**Fluidically Reconfigurable Hemispherical Cavity Cylindrical DRA for Frequency-Agile Applications** Chiranjeet Bhattacharjee (Kalinga Institute of Industrial Technology, IN) Arunya Paul (Indian Institute of Space Science and Technology, IN) Sasmita Pahadsingh (KIIT University, Bhubaneswar, Odisha, IN)

Date: 16.12.2026 **Session Title: Track-II: Antennas & Propagation**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D3-OP-IV-CR17

Timing	Paper ID	Paper Title
08:30	1571336591	**A Dual-Band High-Gain Self-Diplexing SIW-Based Antenna Array over the C-Band for Wireless Communications** Athira Manoharan (Indian Institute of Palakkad, IN) Sukomal Dey (Indian Institute of Technology Palakkad, IN)
08:45	1571336461	**A Mechanically Reconfigurable Antenna Array Based on a Radial Scissor Mechanism** Ravi Kumar Arya (Zhongshan Institute of Changchun University of Science and Technology, CN) Aziz Mohammed (Changchun University of Science and Technology, CN) Maxon Okramcha (Changchun University of Science and Technology, CN) Maifuz Ali (DSPM IIIT Naya Raipur, IN) Junwei Dong (Zhongshan Institute of Changchun University of Science and Technology, CN) Sumin Li (Changchun University of Science and Technology, CN) Raj Mittra (University of Central Florida, TR)
09:00	1571336548	**A Novel Wideband SIW-Based OAM Antenna** Devanshu Gaurav (IIT Roorkee, IN) Yuvraj Dhanade (Indian Institute of Technology Roorkee, IN) Amalendu Patnaik (IIT Roorkee, IN)
09:15	1571343424	**An Ultra-Wideband WR-12 to SIW Transition and Compact 2 × 2 Monolithic Horn Array with Integrated 90 ◦ Twist Shims for E-Band Payloads** Mani Mukherjee (IIEST, IN) Dhruba Das (SAMEER, IN) Susanta Parui (Indian Institute of Engineering Science and Technology, IN)
09:30	1571342307	**Design of an X Band Dual Polarized High Gain Parabolic Reflector Antenna for Satellite Communications** R Venkateswaran (Ministry of Defence, IN) p Srikrishna (MTRDC, IN) Subrata Datta (DRDO, IN)
09:45	1571320085	**End-to-End Digital Engineering Framework for Digital Beamforming UAV Antenna Design** Moraya Satyananda Prabhu (Synopsys, IN) Kyle Kochel (Synopsys Inc., US) Mehru Singh (Synopsys Inc., US)
10:00	1571346100	**Frequency Selective Rasorber Shielded Low Out of Band RCS Patch Antenna Array for 2.4 GHz UAV Communication** Nitesh Kumar Dhale (Indian Institute of Technology Jammu, IN) Kushmanda Saurav (Indian Institute of Technology Jammu, IN) Ankit Dubey (Indian Institute of Technology Jammu, IN)
10:15	1571333679	**High-Gain Linear Antenna Array Design for 5.7 GHz UAV Telemetry and Video Downlinks** Brahman Bhalavi (Eklavya University Damoh, IN) Nivedita Mishra (Integral University, Lucknow, IN) Rajdeep Shrivastava (Lakshmi Narain College of Technology Excellence, IN) Yogesh Solunke (VNIT NAGPUR, IN)

TEA BREAK (10:30 to 11:00)

Date: 16.12.2026 **Session Title: Plenary Session -IV - by Thomas Braxton**
Timing: 11:00 to 11:40
Session Code: MAP26-D3-P-IV-CHall

Date: 16.12.2026 **Session Title: Plenary Session -V - by Nuno Borges Carvalho (Sensing the Physical World: Enabling Digital Twins Through SWIPT and Ultra-Low-Power Sensors)**
Timing: 11:40 to 12:20
Session Code: MAP26-D3-P-V-CHall

Date: 16.12.2026 **Session Title: Plenary Session -VI - by Kaushik Sengupta (AI-enabled RFIC and Electromagnetics Design beyond Human Intuition)**
Timing: 12:20 to 13:00
Session Code: MAP26-D3-P-VI-CHall

LUNCH BREAK (13:00 to 14:00)

Date: 16.12.2026 **Session Title: Keynote Session -II**
Timing: 14:00 to 14:30

Session Code: CR-1	Chung-Tse Michael Wu (Sensing, Tracking, and Secured Communication with Artificial Electromagnetic Materials)
CR-2	Levent Sevgi (From Engineering Electromagnetics to Electromagnetics Engineering)
CR-3	Ramachandra Achar
CR-4	ChangZhi Li (Portable Microwave Radar: From Smart Sensing to Intelligent Microwave Systems)
CR-5	Technical talk by B K Das, Director General, Electronics and Communication Systems, DRDO
CR-6	Technical talk by Rajiv Jyoti, Director, SAC, ISRO

Date: 16.12.2026 **Session Title: Oral Presentation-V**
Timing: 14:30 to 16:00
Session Code: MAP26-D3-OP-V-CR1

Timing	Paper ID	Paper Title

14:30	1571344032	**Physical Optics Solver for Single and Planar Multilayered Configuration with Material Loss** Lopamudra Mazumder (SRMIST Chennai, IN) Alok Sahu (BPUT Rourkela, IN) Sandip Ghosal (NIT Rourkela, IN)
14:45	1571346028	**Fast Optimization of Decoupling Capacitors Using LAPACK Based Linear Solver** Aurindum Banerjee (Indian Institute of Technology, Jodhpur, IN) Jai Narayan Tripathi (Indian Institute of Technology Jodhpur, IN)
15:00	1571346032	**A CNN-Surrogate-Assisted Genetic Algorithm with Continual Retraining for Pixelated Microstrip Bandpass Filter Topology Optimization** Sourabh Joshi (MathWorks India Private Limited, IN) Shashank Kulkarni (MathWorks India Private Limited, IN)
15:15	1571347244	**Novel Low-Rank Phase Normalized Neural Network for Digital Predistortion of Wideband Power Amplifiers** Gurkaranjot Singh Kalra (none, US) B. Muni Pranavi (Amrita School of Engineering, IN) Sanjika Devi (Amrita Vishwa Vidyapeetham, IN)
15:30	1571342606	**Design and Numerical Analysis of Tapered Waveguide Assisted Microwave Plasma (TWAMP)** Alok Mishra (CSIR CEERI PILANI, IN) Priti Pal (Academy of Scientific and Innovative Research at Pilani Rajasthan, IN) Anand Singh (CSIR-Central Electronics Engineering Research Institute, IN) Udit Pal (CSIR-Central Electronics Engineering Research Institute (CSIR-CEERI), IN)
15:45	1571343352	**Design, Modeling, and Characterization of Microwave-Induced Cold Atmospheric-Pressure Plasma Jet Source** Priti Pal (Academy of Scientific and Innovative Research at Pilani Rajasthan, IN) Alok Mishra (CSIR CEERI PILANI, IN) Anand Singh (CSIR-Central Electronics Engineering Research Institute, IN) Shivendra Maurya (CSIR-CEERI, IN) Udit Pal (CSIR-Central Electronics Engineering Research Institute (CSIR-CEERI), IN)

Date: 16.12.2026 **Session Title: Special Session - Next Generation High-Power Vacuum & Plasma Assisted Microwave Devices and Systems**
Timing: 14:30 to 16:00 **Session Chair:**
Session Code: MAP26-D3-OP-V-CR2

Timing	Paper ID	Paper Title
14:30	1571333523	**Design and Simulation of Electron Optics and RF Subsystems for a W-Band FWG-TWT** Sreemoyee Chakraborty (Ceeri, IN) Vaishali Singh (Banasthali Vidyapith, IN) Suneeta Arya (Ceeri, IN)
14:45	1571333545	**Particle-in-Cell Analysis of Vane-Loaded Helix SWS for Ka Band Space TWT** Vaishali Singh (Banasthali Vidyapith, IN) Sreemoyee Chakraborty (Ceeri, IN) Pawan Pareek (CSIR-CEERI, IN)
15:00	1571334178	**Design of an Impedance-Matched Pillbox Window for a 650 GHz Folded-Waveguide TWT Slow-Wave Structure** Aniket Ghosh (The University of Burdwan, IN) Subham Chowdhury (Academy of Scientific and Innovative Research, IN) Ayan Bandyopadhyay (CSIR CEERI, IN)
15:15	1571334484	**Microwave Applicator Design for Pyrolysis of End-of-Life Solar Panels** Subham Chowdhury (Academy of Scientific and Innovative Research, IN) Shashi Singh (CSIR-Central Electronics Engineering Research Institute Pilani, IN) Ayan Bandyopadhyay (CSIR CEERI, IN)
15:30	1571334751	**Analysis of an Anode Cavity in an Advanced Vircator** D Kumar (DRDO, IN) Shivabhagya M S (DRDO, IN) Sisir Kumar Nayak (Indian Institute of Technology Guwahati, IN)
15:45	1571336482	**Chemically Doped Graphene as a High-Conductivity Emitter for Thermionic Energy Converters** Subhrajit Manna (Academy of Scientific and Innovative Research, IN) Vikram Rawat (CSIR-CEERI, IN) Ayan Bandyopadhyay (CSIR CEERI, IN)

Date: 16.12.2026 **Session Title: Special Session - Advanced Microwave Components, Electromagnetic Modeling and Multiphysics Systems**
Timing: 14:30 to 16:00 **Session Chair:**
Session Code: MAP26-D3-OP-V-CR3

Timing	Paper ID	Paper Title
14:30	1571324204	**A Compact, High Gain, Broadband Dual-Band SIW-Based Antenna Employing Multimode Resonance for 5G mm-Wave Communications** Manoj Kumar (Jaypee Institute of Information Technology, Noida, IN) Raghvenda Singh (Netaji Subhas University of Technology, Delhi, IN)
14:45	1571334311	**Design and Analysis of an S-Band Diplexer with Closely Spaced Pass-Bands** Srijita Chakrabarti (Indian Institute of Technology, Kharagpur, IN) Subhanita Saha (SAMEER Kolkata Centre, IN) Sourav Basak (SAMEER Kolkata, IN) Satyajit Chakrabarti (SAMEER Kolkata, IN)
15:00	1571334600	**Design of Pulse Forming Line, Comparative Simulations and Blumlein Pulse Forming Network for High Voltage Pulsed Power Systems** D Kumar (DRDO, IN) Lakshmipriya J (none, IN) Sisir Kumar Nayak (Indian Institute of Technology Guwahati, IN)
15:15	1571335733	**Design and Analysis of a Multiband Frequency Selective Rasorber Using a Rhombic Cross Resonator** Santosh Meena (Govt. Women Engineering College, Ajmer, IN) Chandra Jain (Government Engineering College Ajmer, IN) Sanjeev Yadav (University of Delhi, IN) Diptiranjan Samantaray (University of Delhi, IN)
15:30	1571339865	**Design and Experimental Validation of a High-Power Air-Dielectric Gysel Power Divider/Combiner Using Suspended Stripline** Shailendra Singh (BEL, IN) Chandana Viswanadham (Andhra University, IN) M. Kartikeyan (Indian Institute of Technology Roorkee, IN)
15:45	1571339911	**Stepped-Frequency Continuous-Wave Ground-Penetrating Radar for Real-Time Subsurface Sensing** Ramaraju Mahesh (SGS Weather and Environmental Systems Pvt. Ltd., IN) Suryarajitha Inapurapu (Indian Institute of Technology, Roorkee, IN) M. Rao (SGS Weather and Environmental Systems Pvt. Ltd., IN)

Date: 16.12.2026 **Session Title: Special Session - Microwave Photonics for Next-Generation Radar, EW, Sensing and Secure Communication**
Timing: 14:30 to 16:00 **Session Chair:**
Session Code: MAP26-D3-OP-V-CR4

Timing	Paper ID	Paper Title
14:30	1571329063	**Simulation-Based Investigation of Dispersion Compensation Modules for Compact Time-Stretch Analog-to-Digital Converters** Shaunak Thigale (S.P. Pune University, IN) Appala Venkata Ramana Murthy (Defence Institute of Advanced Technology, IN)
14:45	1571342096	**Design and Analysis of Photonic Beamformer Using Ring Resonators for Microwave Photonics Applications** Varsha H N (Sai Vidya Institute of Technology, IN) Nishanth Paramesh (LRDE, IN) Sumanta Pal (LRDE, IN) Venkatesha M (Sai Vidya Institute of Technology, IN)
15:00	1571343781	**ECG Signal Classification Using an Active Ring Resonator with a Ferrite Delay Line** Kaustubh Narayan (Indian Institute of Technology, Madras, IN) Anirban Mukhopadhyay (Indian Institute of Technology, Madras, IN) Anil Prabhakar (IIT Madras, IN)
15:15	1571345767	**Design and Development of a Reconfigurable Microwave Photonic Frequency Up/down-Converter for Satellite Payloads** Abhishek Khanna (Space Applications Centre, IN) Adarsh Jain (Space Applications Centre, IN)
15:30	1571345972	**Design and Simulation of a 100 Gbps Single-Polarization 64-QAM Coherent Optical Link over 10 km SSMF Using an IQ Mach-Zehnder Modulator** Siriparapu Tatvik Shree Kartik (Defence institute of advanced technology, pune, IN) Alona Jacob (Defence Institute of Advanced Technology, IN) Sakthi Ganesh (Defence Insitute of Advanced Technology, IN)
15:45	1571346104	**Wideband Radiating Element for Photonic True-Time-Delay-Assisted Receivers** Rajvi Dave (Defence Institute of Advanced Technology, IN) Uttara V (Defence Institute of Advanced Technology, IN) Rajesh Singh (DIAT, IN)

Date: 16.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**

Timing:	**14:30 to 16:00**	**Session Chair:**
Session Code:	**MAP26-D3-OP-V-CR5**	

Timing	Paper ID	Paper Title
14:30	1571343363	**Design & Development of a Compact X-Band Synthesizer Module for Data-Link Application** Paramita Banerjee (SAMEER, IN) Dhruba Das (SAMEER, IN) Arun Kumar (SAMEER, IN)
14:45	1571343501	**Design and Characterization of Ka-Band Transceiver for Spaceborne Velocity Sensor** Gourav Agrawal (ISRO, IN) Piyush Sinha (Space Application Centre, IN) Milind Mahajan (Space Applications Centre, ISRO, IN)
15:00	1571343403	**Design and Development of a Compact Local Oscillator Signal Generator at Ka-Band** Anil Gupta (Space Applications Centre-ISRO, IN) Shruti Sinha (SAC, ISRO Ahmedabad, IN) Cvn Rao (Space Applications Centre (ISRO), IN)
15:15	1571332774	**Design and Development of Compact Ka-Band GaN HEMT Front End Chip for Radar Applications** Akhilendra Krishna (Scientist E, IN) Pritam Sinha (Solid State Physics Laboratory, IN) Rakhi Kumari (Solid State Physics Laboratory, IN) Devendra Verma (Solid State Physics Laboratory, IN)
15:30	1571346075	**Design and Realization of a C-Band Heterodyne Receiver for ISRO's C-Band SAR Payload** Gourav Agrawal (ISRO, IN) Piyush Sinha (Space Application Centre, IN)
15:45	1571336473	**Development and Experimental Validation of a W-Band FMCW Ranging Test Bed** Asish Singh (Research and Development, IN)

Date:	**16.12.2026**	**Session Title: Special Session - System-Level Integration of RIS and Dynamic Metasurfaces for mmWave and Sub-THz Communication and Sensing**
Timing:	**14:30 to 16:00**	**Session Chair:**
Session Code:	**MAP26-D3-OP-V-CR6**	

Timing	Paper ID	Paper Title
14:30	1571336711	**VO_2-Based Tunable THz Absorber for Modulation, Switching, and Refractive Index Sensing** Chandan Tamrakar (Guru Ghasidas University, IN) Anil Kumar Soni (Guru Ghasidas University, IN) Shrawan Patel (Guru Ghasidas Vishwavidyalaya Bilaspur CG, IN)
14:45	1571336721	**Investigation of Resonance Mode Hybridization Using Dielectric Variation for Multiband-to-Broadband Terahertz Absorption** Anil Kumar Soni (Guru Ghasidas University, IN) Chandan Tamrakar (Guru Ghasidas University, IN) Shrawan Patel (Guru Ghasidas Vishwavidyalaya Bilaspur CG, IN)
15:00	1571336730	**Planar Gradient-Index Metamaterial Luneburg Lens Antenna for X-Band Applications** Akhilesh Kumar (Indian Institute of Technology, Patna, IN) Aaradhya Singh (Indian Institute of Technology Patna, IN) Amit Singh (IIT Patna, IN)
15:15	1571339387	**Low-Profile and Angularly Stable Wideband Polarization Conversion Metasurface for Sub-THz 6G Communications** Umair Rafique (University of Oulu, FI) Shobit Agarwal (University of Naples Federico II, IT) Mehr Munir (Iqra National University, SA)
15:30	1571345032	**Machine-Learning-Assisted Performance Evaluation of Circular-Element RIS-Aided Systems with Real Phase-Shift and Amplitude Response** Liu Rundong (NTU Singapore, SG) N Nasimuddin (Institute for Infocomm Research, SG) Arokiaswami Alphones (Nanyang Technological University, SG)
15:45	1571346249	**Wideband Beam Scanning with Stable Gain Using 3D-Printed Luneburg Metasurface Lens for W-Band Sub-THz Applications** Akhilesh Kumar (Indian Institute of Technology, Patna, IN) Rahul Chowdhury (Indian Institute of Technology Patna Patna, IN) Amit Singh (IIT Patna, IN)

Date:	**16.12.2026**	**Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing:	**14:30 to 16:00**	**Session Chair:**
Session Code:	**MAP26-D3-OP-V-CR15**	

Timing	Paper ID	Paper Title
14:30	1571342682	**A 100-300-MHz Single-Diode Passive Mixer Using a Modified Wilkinson Power Combiner** Santanu Deb (IIT Kharagpur, IN) Tejas Bhele (IIT Kharagpur, IN) Anuradha Gupta (IIT Kharagpur, IN)
14:45	1571326423	**A Low-Loss Quad-Band Microstrip Bandpass Filter Using Hybrid Stub-Coupled-Line Resonances** Ganesh K B (IIIT Dharwad, IN) Rajesh Kumar (Indian Institute of Information Technology Dharwad, IN)
15:00	1571346035	**A V-Band Single Stage Frequency Quadrupler with Integrated Amplifier for 6G Application** Bijit Biswas (SAMEER, IN) Paramita Banerjee (SAMEER, IN) Rup Biswas (SAMEER KOLKATA, IN)
15:15	1571342120	**D-Band Slot-Integrated VACNT-Based Air-Filled Waveguide with via-Fence-Assisted Field Confinement** Amit Kumar (CNRS CREATE, SG) Dominique Baillargeat (CNRS CREATE, SG) Philippe Coquet (CINTRA UMI 3288 CNRS/NTU/THALES, SG)
15:30	1571347953	**Design of a Doherty Power Amplifier with Active Harmonic Load Modulation** Yericharla Mary Asha Latha (IIT (ISM) Dhanbad, IN) Wanchi Dora Sangma (IIT (ISM) Dhanbad, IN) Ankit Sharma (IIT (ISM) Dhanbad, IN)
15:45	1571320253	**Residual Self-Interference Assisted Adaptive Waveform Selection in Multimode Radars** Anand Sai Verma (Indian Institute of Science, Bengaluru, IN) Aswin Raj (Indian Institute of Science, Bengaluru, IN) Gaurab Banerjee (Senior IEEE Member, IN)

Date:	**16.12.2026**	**Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing:	**14:30 to 16:00**	**Session Chair:**
Session Code:	**MAP26-D3-OP-V-CR16**	

Timing	Paper ID	Paper Title
14:30	1571319629	**A Compact Substrate Integrated Waveguide Based Sensor for Material Characterization** Adeeba Waheed (Indian Institute of Information Technology Allahabad, IN) Sushil Yadav (Indian Institute of Information Technology Allahabad, IN) Amarnath Yadav (IIIT Allahabad, IN)
14:45	1571326564	**An N-Path Bandpass Filter Using Complementary Switched Inductors for Enhanced Selectivity** Naveen Kumar (IIT Tirupati, IN) Prateek Kumar Sharma (Indian Institute of Technology Tirupati, IN)
15:00	1571342763	**BST Capacitor Based Tunable Notch Filter on Suspended Substrate for Receiver Applications** Abhilash Thumiki (DLRL DRDO, IN) Lalitha Saripaka (University of Hyderabad, IN) James Raju K c (University of Hyderabad, IN)
15:15	1571306507	**Design of Capacitive-Loaded Cavity Filter** Rahul Sadhu (Product Development and Innovation Centre, IN)
15:30	1571319351	**High Performance Compact Quasi-Absorptive Planar Microstrip Bandpass Filter** Sachin Kumar (University of Delhi, IN) Ashwani Kumar (University of Delhi, IN) Maifuz Ali (DSPM IIIT Naya Raipur, IN)
15:45	1571336347	**Quad Channel Automatic PA Sequencer for Ultra-Fast Q Point Fixation and Calibration** Debapriya Sen (Central Research Laboratory Bharat Electronics Limited, IN) Anand Tripathi (A Govt. of India Enterprise Ministry of Defence, IN) Harikrishna Avirneni (Member Senior Research Staff, IN)

Date:	**16.12.2026**	**Session Title: Chapter Chair Meeting**
Timing:	**14:00 to 17:00**	
Session Code:	**MAP26-D3-G-CHall**	

Date:	**16.12.2026**	**Session Title: High school student workshop (STEM / COPE)**
Timing:	**14:00 to 16:00**	
Session Code:	**MAP26-D3-G-CR-17**	

TEA BREAK (16:00 to 16:30)

Date:	**16.12.2026**	**Session Title: Track-X: Emerging Technologies and Applications**
Timing:	**16:30 to 17:30**	**Session Chair:**
Session Code:	**MAP26-D3-OP-VI-CR1**	

Timing	Paper ID	Paper Title
16:30	1571320160	**Deep-Learning Based Inverse Design of a Linear-to-Circular Polarization Converter Metasurface** Suryawanshi Peeyoosh Maroti (Indian Institute of Technology Jammu, IN) Kritin Sethi (Indian Institute of Technology Jammu, IN) Kushmanda Saurav (Indian Institute of Technology Jammu, IN)
16:45	1571335675	**FPGA-Based Magnetotelluric Data Acquisition and DSP System for Landslide Detection** Sandeep Kumar Verma (NIT Silchar, IN) Kavicharan Mummaneni (NIT Silchar, IN) Olympa Baro (NIT Silchar, IN)
17:00	1571346108	**Proposed Methodology for Dielectric Characterisation of Liquids over Broadband Utilising Double-Ridged Guide Horn Antennas with ANN-Based Estimation** Banoth Rajesh (Indian Institute of Technology Palakkad, IN) Venkata Yadav (Indian Institute of Technology Palakkad, IN) Anjitha V (Indian Institute of Technology Palakkad, IN)
17:15	1571333239	**Ship Detection in SAR Imagery Using YOLOv8 with Validation on ISRO's RISAT-1A Data** Akshay Vetal (Space Application Centre, IN) Vrushank Anand (Globaltech India Pvt. Ltd., IN) Prantik Chakraborty (SAC ISRO, IN)

Date:	**16.12.2026**	**Session Title: Track-II: Antennas & Propagation**
Timing:	**16:30 to 17:30**	**Session Chair:**
Session Code:	**MAP26-D3-OP-VI-CR2**	

Timing	Paper ID	Paper Title
16:30	1571334375	**Defected Ground Structure-Based High-Gain 140-GHz on-Chip Antenna with Integrated Aspheric Lens in SiGe BiCMOS Technology** Subhajit Kar (Indian Institute of Technology Roorkee, IN) Darshak Bhatt (Indian Institute of Technology Roorkee, IN)
16:45	1571334392	**High-Gain Metal Reflector-Backed Wideband Patch Antenna for Wi-Fi and 5G Sub-6 GHz Applications** Subhajit Paul (Indian Institute of Information Technology Kalyani, IN) Amit Kumar (Indian Institute of Technology Roorkee, IN) Gunjan Srivastava (Graphic Era (Deemed to Be University) Uttarakhand, IN)
17:00	1571319734	**High-Performance Sub-6 GHz Filtenna with Improved Gain and Sideband Filtering Characteristics** Maneesha Dwivedi (Institute of Engineering and Technology, Lucknow, IN) Neelam Srivastava (IET Lucknow, IN)
17:15	1571290564	**Textile-Integrated Wearable Antenna for 5G-Enabled IoT Healthcare Monitoring Systems** Sonal Sahu (ABV- IIITM Gwalior, IN) Gaurav Pandey (ABV IIITM Gwalior MP India, IN) Manoj Parihar (ABV-IIITM, Gwalior, IN)

Date:	**16.12.2026**	**Session Title: Track-II: Antennas & Propagation**
Timing:	**16:30 to 17:30**	**Session Chair:**
Session Code:	**MAP26-D3-OP-VI-CR3**	

Timing	Paper ID	Paper Title
16:30	1571342891	**A Dual Band Dual-Polarized Metasurface Based Patch Antenna for C and X Band Radar Applications** Kamisetti Sasank (Vignan's IIT, IN) Deepak Ram (IIT BHU VARANASI, IN) Kalyani Kandiraju (SVIT, IN) Somak Bhattacharyya (IIT (BHU), IN)
16:45	1571307051	**A Particle Swarm-Optimised UWB Antenna for Detecting Hidden Object** Priyanka Das (VIT Chennai, IN) Deepak A (Vellore Institute of Technology Chennai, IN) Keertana Chilakapati (Vellore Institute of Technology Chennai, IN) Madhav Boddapati (K L University, IN)
17:00	1571336896	**Design and Analysis of a Hybrid Substrate and Graphene-Based Wideband Terahertz Antenna** Ramakrishna Mahapatra (NIT Jamshedpur, IN) Dheeraj Pandey (Koneru Lakshmaiah Education Foundation Vijaywada, IN) Surajit Kundu (National Institute of Technology Jamshedpur, IN)
17:15	1571343392	**Design and Analysis of CPW Fed Dual Band Flexible Antenna for WLAN Application** Arindam Mukherjee (Malaviya National Institute of Technology Jaipur, IN) Sonu Jain (Malaviya National Institute of Technology Jaipur, IN) Akshay Singh (Malaviya National Institute of Technology Jaipur, IN)

Date:	**16.12.2026**	**Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces**
Timing:	**16:30 to 17:30**	**Session Chair:**
Session Code:	**MAP26-D3-OP-VI-CR4**	

Timing	Paper ID	Paper Title
16:30	1571320141	**Compact Flexible Multi-Band Metasurface with Low-Loss Property for Microwave Applications** Tarakeswar Shaw (Birla Institute of Technology (BIT) Mesra, IN) Gopinath Samanta (The LNM Institute of Information Technology, IN) Robin Augustine (Uppsala University, SE)
16:45	1571347588	**Connected Resistive Square Patch Based Absorber in the Millimeter-Wave Automotive Radar Band** Atli Lemma Gebretsadik (Indian Institute of Science, IN) Debdeep Sarkar (Indian Institute of Science, IN)
17:00	1571327611	**Design of Airborne Radomes Using Quadratic Wall Thickness Profile** Rudra Barik (Birla Institute of Technology and Science, Pilani, Goa Campus, IN) Hrishikesh Sonalikar (BITS, Pilani, IN)
17:15	1571320075	**Resistive-Ink-Based Low-Profile Broadband Microwave Absorber for Ku/K-Band Stealth Applications** Deepa Bhoi (Indian Institute of Information Technology and Management - Gwalior, IN) Pinku Ranjan (IIITM Gwalior, IN) Rakesh Chowdhury (ABV IIITM Gwalior, IN)

Date:	**16.12.2026**	**Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces**
Timing:	**16:30 to 17:30**	**Session Chair:**
Session Code:	**MAP26-D3-OP-VI-CR5**	

Timing	Paper ID	Paper Title

16:30	1571342787	**Design and Analysis of a Tri-Band Conformal Frequency Selective Surfaces for Low-Observable Hypersonic Vehicle Radome Applications** Debasish Acharya (Indian Institute of Information Technology Nagpur, IN) Soham Bhanare (Indian Institute of Information Technology Nagpur, IN) B Naik (IIIT Nagpur, IN)
16:45	1571336598	**Design of a 1-Bit Coding RIS with Ultra-Low Power Consumption Using SPST Switches** Misbah Fatima (IIIT Delhi, IN) Ruchi (Chandigarh University, IN) Debidas Kundu (Indian Institute of Technology Bombay, IN)
17:00	1571346255	**Dual Functional Conformal FSS for Band-Stop and Band-Pass Filter Applications** Madhusudhan Rangula (National Institute of Technology Karnataka, IN) Basudev Majumder (IIST, IN) Krishnamoorthy Kandasamy (National Institute of Technology Karnataka, SURATKAL, IN)
17:15	1571336465	**Switchable Reflective/ Transmissive Star Loop FSS Unit Cell with Microwave Filtering** Safana Amala Yazhini A (Central University, IN) Santhosh J R (Pondicherry University, IN) Pritha K (Pondicherry University, IN)

Date: 16.12.2026 **Session Title: Track-IV: THz, Photonics & Quantum Technologies**
Timing: 16:30 to 17:30 **Session Chair:**
Session Code: MAP26-D3-OP-VI-CR6

Timing	Paper ID	Paper Title
16:30	1571336083	**A Multi-Band Terahertz Metamaterial-Based Perfect Absorber for Refractive Index Sensing Application** Ranjit Vishwakarma (Indian Institute of Technology Roorkee, IN) Dhruv Goyal (IIT Roorkee, IN) Jatin Gupta (IIT Roorkee, IN)
16:45	1571336778	**FPGA-Controlled Hybrid FSO/RF Framework with BB84-Based Key Distribution** Ritu Jadhav (Modern Education Society's Wadia College of Engineering, Pune, IN) Jay Shete (The Modern Education Society's Wadia College of Engineering, Pune, IN) Kanchan Tiwari (University of Pune (SPPU), IN)
17:00	1571335903	**Hybrid Beamforming for Wideband Terahertz Massive MIMO Communications with Line-by-Line Molecular Absorption Modeling** Anmol Syal (Military College of Telecommunication Engineering, IN) Arpit Gahlawat (Military College of Telecommunication Engineering, IN) Manjeet Dalal (Jawahar nehru University, IN)
17:15	1571336079	**Hybrid Bow-Tie Metamaterial Absorber for Multi-Band Terahertz Modulation** Manoj Sarkar (Indian Institute of Technology, Roorkee, IN) Pratham Agarwal (Indian Institute of Technology Roorkee, IN) Mradul Singhal (Indian Institute of Technology Roorkee, IN)

Date: 16.12.2026 **Session Title: Track-V: 5G/6G Research and Beyond**
Timing: 16:30 to 17:30 **Session Chair:**
Session Code: MAP26-D3-OP-VI-CR15

Timing	Paper ID	Paper Title
16:30	1571334231	**AI-Enabled Unified Spectrum Sensing and Modulation Classification Framework for Next-Generation 6G Networks** Mahender Singh Yadav (Indraprastha Institute of Information Technology, Delhi, IN) Khagendra Joshi (IIIT Delhi, IN) Vivek Bohara (Indraprastha Institute of Information Technology, Delhi, IN)
16:45	1571336682	**Experimental Analysis of Multi- and Single-Geometry Varactor-Loaded RIS for Indoor Wireless Applications** NazeerUnnisa Qureshey (MuffakhamJah College of Engineering and Technolog, IN) Yusra Asif Gavandi (Muffakham Jah College of Engineering and Technology, IN) Syeda Rukhayya Hurmath (Muffakham Jah College of Engineering and Technology, IN) Mohammed Khaja Ziayanuddin Ahmed (Muffakham Jah College of Engineering and Technology, IN)
17:00	1571336700	**Fluid Antennas for 6G Applications: Design, Mathematical Framework, and Multi-State Reconfiguration** Pranjalee Mishra (National Institute of Technology Raipur, IN) Mayur Katwe (National Institute of Technology Raipur, IN)
17:15	1571336788	**Quantum-Enhanced Beamforming for 6G: A Variational Quantum Eigensolver Approach to RIS Optimization** Palak Vastrakar (IIIT Naya Raipur, IN) Rahul Barma (IIIT Naya Raipur, IN) Punya Paltani (Dr S. P. Mukherjee IIIT, Naya Raipur, IN)

Date: 16.12.2026 **Session Title: Track-VI: Measurement Techniques**
Timing: 16:30 to 17:30 **Session Chair:**
Session Code: MAP26-D3-OP-VI-CR16

Timing	Paper ID	Paper Title
16:30	1571329014	**Evaluation of Additively Manufactured Planar Dielectric Radomes for Sub-Terahertz Frequencies** Kamal Gurgar (Indian Institute of Technology, Roorkee, IN) Nikhil Kumar (Indian Institute of Technology Roorkee, IN) Utpal Dey (Indian Institute of Technology Roorkee, IN)
16:45	1571333749	**Microwave Measurement of Magneto-Dielectrics with a Split-Post Dielectric Resonator** Bartlomiej Salski (Warsaw University of Technology, PL) Marzena Olszewska-Placha (QWED Sp. z o. o, PL) Piotr Czekała (Warsaw University of Technology, PL)
17:00	1571336451	**Radar Cross Section Reduction Analysis Using Activated Char Derived from Finger Millet Flower Infused Reduced Graphene Oxide Based Composite** Navdeep Singh (SRF, Proof and Experimental Establishment, Defence Research & Development Organisation, Chandipur, IN) Puja Pradhan (Veer Surendra Sai University of Technology, Burla, Sambalpur, Odisha, IN) Sankarsan Padhy (Scientist F, Proof and Experimental Establishment, Chandipur, Odisha, IN)
17:15	1571315151	**System Safety Analysis of a DG Set Assembly of High- Power Microwave System** Khilawan Choudhary (DRDO, Ministry of Defence, IN) V Nallasamy (MTRDC DRDO, IN) S Datta (DRDO, IN)

Date: 16.12.2026 **Session Title: Track-VII: Electromagnetics in Biology & Medicine**
Timing: 16:30 to 17:30 **Session Chair:**
Session Code: MAP26-D3-OP-VI-CR17

Timing	Paper ID	Paper Title
16:30	1571335486	**Experimental Validation of an FMCW Radar-Based Contactless Vital Signs Monitoring System** Skanda Bharadwaj (PES University, IN) Ameya Deshmukh (Yeshwantrao Chavan College of Engineering, IN) Rudra Barik (Birla Institute of Technology and Science, Pilani, Goa Campus, IN)
16:45	1571336798	**Gelatin Based Biodegradable Phantom for Microwave Tissue Dielectric Emulation** Subhadeep Basu (IIT Kanpur, IN) Anwesha Khasnobish (TCS, IN) Mohammad Jaleel Akhtar (Indian Institute of Technology Kanpur, IN)
17:00	1571313579	**MRI Field Strength Variability and Radiomic Feature Harmonization: A Comparative Study of Intensity Normalization Methods** Irene Dal Chiele (Universitas Mercatorum, IT) Massimo Donelli (University of Trento, IT) Giuseppe Espa (Università degli studi di Trento, IT) Koushik Guha (National Institute of Technology Silchar, IN) Jacopo Iannacci (Fondazione Bruno Kessler - FBK, IT)
17:15	1571343358	**Numerical Generation of Microwave Thermograms for Subsurface Thermal Anomaly Detection in Breast Tissue** Neenu Sajeev (Indian Institute of Technology Madras, IN) Kavitha Arunachalam (Indian Institute of Technology Madras, IN)

Date: 16.12.2026 **Session Title: Ask us Anything**

Timing:	**17:30 to 19:30**	**Session Chair: Hardik Aswa, Sulekha Chattopadhyay, Ankita Harkare, Arvind Kumar**
Session Code:	**MAP26-D3-G-CR-2**	

Date:	**16.12.2026**	**Session Title: MAPCON Execomm meeting**
Timing:	**17:30 to 19:30**	
Session Code:	**MAP26-D3-G-CHall**	

Date:	**16.12.2026**	**Session Title: High school student session on how to handle failure by Sujata Kedar**
Timing:	**17:30 to 18:30**	
Session Code:	**MAP26-D3-G-CHall**	

Date:	**16.12.2026**	**Session Title: Social Activities under IEEE initiatives in clollabriation with Zero Gravity**
Timing:	**18:30 to 19:30**	
Session Code:	**MAP26-D3-G-CHall**	

Date:	**16.12.2026**	**Session Title: Kids Drama @ MAPCON: APS, MTTS and EMC Technologies**
Timing:	**19:30 to 21:30**	
Session Code:	**MAP26-D3-G-CHall**	

Date:	**16.12.2026**	**Session Title: Student Design Hackathon**
Timing:	**21:30 to 1:00**	
Session Code:	**MAP26-D3-G-CHall**	

DATE 17.12.2026

17.12.2026 | Day-4	Yoga Session at IEEE MAPCON
	Industry Exhibition
	Internships & Job Fair
	YP Vishwa Club Activity
	ISTP-2: From High Impact Research to High Quality Publication Perspectives from MTT-S, AP-S & EMC-S Editors
	Oral Presentation - VII
	Tea
	Defence Cluster - 1 (Special Invitation): Panel Discussion on Electronic Warfare
	Keynote Session-III
	Invited Session + Oral Presentation - VIII
	Lunch
	Student Design Contest / 3 MT
	Defence Cluster - 2
	India Business Committee
	Woman in Antenna, Microwave & Space
	BPC Panel Discussion
	Tea
	Oral Presentation - IX
	Atmanirbhar Bharat / Make in India / Vikasit Bharat: Success stories of Entrepreneur
	IEEE Initiative (Koradi Powerplant Sustainable Development Panel Discussion)
	IEEE T-MTT Editorial Meeting
	Mentor-Mentee Program
	Cultural Event & Award Ceremony
	BANQUET DINNER

Date:	**16.12.2027**	**Session Title: Yoga Session at IEEE MAPCON**
Timing:	**6:00 - 7:00**	
Session Code:	**MAP26-Y-VNIT**	

Date:	**17.12.2027**	**Session Title: Industry Exhibition, Internship and Job Fair, YP Vishwa Club Activity**
Timing:	**Full Day**	
Session Code:	**MAP26-D4-IE**	

Date:	**17.12.2027**	**ISTP-2: From High Impact Research to High Quality Publication Perspectives from MTT-S, AP-S & EMC-S Editors by Chinmoy Saha**
Timing:	**8:30-10:30**	
Session Code:	**MAP26-D4-CHall**	

Date:	**17.12.2026**	**Session Title: Track-II: Antennas & Propagation**
Timing:	**8:30 to 10:30**	**Session Chair:**
Session Code:	**MAP26-D4-OP-VII-CR1**	

Timing	Paper ID	Paper Title
08:30	**1571336592**	**A High-Gain Holographic Metasurface Antenna Based on Square Patch Unit Cells for Ku-Band Applications** Shailendra Paswan (IIIT Naya Raipur, IN) Bipin Mandi (DSPM IIIT Naya Raipur, IN) Maifuz Ali (DSPM IIIT Naya Raipur, IN) Ashwani Kumar (University of Delhi, IN)

08:45	1571318969	**A Ku-Band Microstrip Patch Antenna Array with Symmetric Hybrid Feed Network** Abhishek Kumar (Unistring Tech Solutions Pvt. Ltd., IN) Sangeetha Eluri (Osmania University, IN) Lakshminarayana Merugu (Unistring Tech Solutions Pvt. Ltd., IN)
09:00	1571336307	**A Multilayer Eight-Port MIMO Antenna with Dual-Feed Excitation for X-Band Multi-Channel Radar Sensing** Kukkadapu Lakshman (ICOMM Tele Limited, IN) Keerthi Sane (Vardhaman College of Engineering, IN) Chilukuri Sulakshana (Vardhaman College of Engineering, IN)
09:15	1571289840	**Fast Design and Analysis of Ku-Band Multi-Beam Antenna Based on Septet Multi-Feed per Beam (MFPB) Using Supporting Code** Ramesh Gupta (Space Applications Centre ISRO, IN) Sravan Sagi (Space Applications Centre ISRO, IN) Vijay Kumar Singh (Co-author, IN) Sanjeev Kulshrestha (Space Application Centre, ISRO, IN)
09:30	1571320245	**On Feed-Controlled Dominance of Collective Supermodes in a Three-Element Coupled Patch Chain: A Characteristic-Mode Perspective** Nitish Kumar (Aeronautical Development Agency, IN) Kamla Prasan Ray (Defence Institute of Advanced Technolgy Pune INDIA and IIT Gandhinagar, IN) Prasobh Martin (Aeronautical Development Agency, IN)
09:45	1571320098	**Overlapping Multi-Beam Generation Using Surface Shaping of an Oversized Reflector with High Edge-Taper Feed Cluster** Akula Ramu (ISRO, IN) Suvrajit Ghosh (Indian Space Research Organisation (ISRO), IN) Atrish Mukherjee (Indian Space Research Organisation (ISRO), IN) Vijay Kumar Singh (Co-author, IN) Sanjeev Kulshrestha (Space Application Centre, ISRO, IN) Milind Mahajan (Space Applications Centre, ISRO, IN)
10:00	1571332261	**Performance Evaluation of a 9m Receive Only Earth Station Antenna with Dual C/Ku Band Feed Assembly** Arpit Garg (Bharat Electronics limited, IN) Arun Kumar (Bharat Electronics Limited, IN) Ankit Raj (Bharat Electronics Limited, IN)
10:15	1571346097	**Polyphenylene Liquid Crystal Compositions Based Smart Antenna Platform for Ku-Band Applications: Electromagnetic Modelling and Simulation** Rohita Sahu (Veer Surendra Sai University of Technology, IN) Ashish Sharma (Veer Surendra Sai University of Technology Burla Sambalpur, IN) P Lakshmi Praveen (Veer Surendra Sai University of Technology Burla Sambalpur, IN)

b **17.12.2026** **Session Title: Track-II: Antennas & Propagation**
Timing: **8:30 to 10:30** **Session Chair:**
Session Code: **MAP26-D4-OP-VII-CR2**

Timing	Paper ID	Paper Title
08:30	1571345144	**A Liquid Dielectric Resonator-Loaded SI-DRA Array for mmWave Communication and Next-Generation Wireless Systems** Arun Raj (NIT Durgapur, IN) Durbadal Mandal (National Institute of Technology, Durgapur, IN)
08:45	1571343011	**A VO2-Based Thermally Band-Reconfigurable Cylindrical Dielectric Resonator Antenna** Ashwi Jayswal (Pandit Deendayal Energy University, IN) Sumantra Chaudhuri (Gati Shakti Vishwavidyalaya, IN) Mohit Mishra (Indian Institute of Technology Mandi, IN)
09:00	1571329381	**Circular SIW Cavity-Loaded Wideband Circularly Polarized Volumetric Patch Antenna for mmWave Applications** Ramprasad Ravula (Birla Institute of Technology and Science, IN) Runa Kumari (Birla Institute of Technology & Science, Pilani, Hyderabad Campus, IN) Abdul Rajak (BITS Pilani, Dubai Campus, AE)
09:15	1571348344	**Effect of Feeding Mechanism on the Performance of Cylindrical Dielectric Resonator Antenna** Manoj Phatangare (Shiv Nadar Institution of Eminence, IN) Jitendra Prajapati (Shiv Nadar Institution of Eminence Deemed to be University, Delhi-NCR, IN) Madhur Upadhayay (Shiv Nadar Institution of Eminence Deemed to Be University, IN)
09:30	1571335744	**Experimental Investigation of the Effect of Metallic and Non-Metallic Obstacles on Target Detection in FMCW mmWave Radar** Saranmurthy B (none, IN) Anjali R (none, IN) A. Mercy Latha (Central Electronics Engineering Research Institute, IN)
09:45	1571346069	**Miniaturized Reconfigurable Tri-Band Wearable Antenna for Body-Centric Wireless Communication** Prachi Satav (Indian Institute of Information Technology Nagpur, IN) Paritosh Peshwe (Indian Institute of Information Technology Nagpur, IN) Sushmita Dandeliya (IIIT Nagpur, IN)
10:00	1571319203	**Rectangular Slots-Cut Circular Microstrip Antenna Loaded with Resonant Ring and Annular Sectors for Broadband Response** Venkata Annapurna Priyadarshini Chavali (IIIT SURAT, IN) Akshit P (Indian Institute of Information Technology Surat, IN) Amit Deshmukh (DJSCOE, IN)
10:15	1571336558	**Resonant Frequency of an Annular Ring-Shaped Cylindrical Dielectric Resonator Antenna** Sudipta Maity (National Institute of Technology Rourkela, IN)

Date: **17.12.2026** **Session Title: Track-II: Antennas & Propagation**
Timing: **8:30 to 10:30** **Session Chair:**
Session Code: **MAP26-D4-OP-VII-CR3**

Timing	Paper ID	Paper Title
08:30	1571346049	**An Axial Mode Helical Antenna Using 3D Printing** Gampala Aravind (Unistring Tech Solutions. Pvt. Ltd, IN) Vijaykrishna Dirisala (Unistring Tech Solutions Pvt. Ltd, IN) Lakshminarayana Merugu (Unistring Tech Solutions Pvt. Ltd., IN)
08:45	1571345995	**Bi-Directional Optically Transparent Frequency Reconfigurable Antenna for Sensing and Communication** Amit Patel (Loughborough University, GB) William Whittow (Loughborough University, GB) Aakash Bansal (Loughborough University, GB)
09:00	1571343454	**Broadband Directional VHF Antenna Using an Inclined Reflector-Backed Bow-Tie Dipole** Ankita Biswas (Indian Institute Of Technology, Kharagpur, IN) Mrinal Mandal (Indian Institute of Technology, Kharagpur, IN)
09:15	1571336792	**Broadband Multi-Mode OAM Generation Using a Single-Layer Transmitting Metasurface** Rishabh Kumar Baudh (Indian Institute of Information Technology and Management - Gwalior, IN) Sonal Sahu (ABV- IIITM Gwalior, IN) Manoj Parihar (ABV-IIITM, Gwalior, IN)
09:30	1571336552	**Design and Validation of Coaxially Fed Cavity-Backed Bow-Tie Slot Radiating Element for S-Band Phased Arrays** Tarlok Singh (Bharat Electronics Limited, IN) Prashant Kumar (Bharat Electronics Limited, IN)
09:45	1571343421	**Gain-Enhanced Bow-Tie Antenna Using an Ultra-Wideband Artificial Magnetic Conductor for GPR Applications** Mohammed javith A (Pandit Deendayal Energy University, IN) Vivek Pandit (Pandit Deendayal Energy University (PDEU), IN) Mevada Pratik (SAC (ISRO), IN)
10:00	1571291762	**Steerable Antenna with Stationary Feed and Reflector Rotating at Non-Orthogonal Axes Around Focal Point** Ramesh Gupta (Space Applications Centre ISRO, IN) Vijay Kumar Singh (Co-author, IN) Sanjeev Kulshrestha (Space Application Centre, ISRO, IN)
10:15	1571343620	**Wideband Omni-Directional L-Band Compact Antenna for Air Navigation Systems** Nikhil Gupta (Bharat Electronics Limited, IN) Seema Doongarwal (Bharat Electronics Limited, IN)

Date: **17.12.2026** **Session Title: Track-II: Antennas & Propagation**
Timing: **8:30 to 10:30** **Session Chair:**
Session Code: **MAP26-D4-OP-VII-CR4**

Timing	Paper ID	Paper Title
08:30	1571296535	**Design and Analysis of a Miniaturized SSPP Based Leaky Wave Textile Wearable Antenna** Anushka Mishra (Galgotias College of Engineering and Technology, IN) Anjali Singh (Galgotias College of Engineering and Technology, IN) Devraj Gangwar (Galgotias College of Engineering and Technology, IN)

08:45	1571334476	**Dual Frequency Microstrip Antenna with Orthogonal Linear Polarizations and Stable Radiation Patterns** Satyajit Chakrabarti (SAMEER Kolkata, IN) Shruti Saha (Techno Main Salt Lake, IN) Nibedita Ghosh (Techno Main Salt Lake, IN)
09:00	1571343713	**Dual-Band Microstrip Leaky Wave Antenna with Suppressed Open Stop-Band** Ratnesh Ranjan (VIPS-TC, IN) Sweta Kumari (IIT (ISM) Dhanbad, IN)
09:15	1571342535	**Interplay of Phase and Spatial Quantization in Reconfigurable Reflectarray Beam Scanning** Priyank Mishra (none, IN) Tiwari Poonam (Indian Institute of Technology Indore, IN) Deepak (Indian Institute of Technology Indore, IN)
09:30	1571343710	**Microstrip Leaky Wave Antenna for Dual Beam Scanning with Low Cross-Polarization** Ratnesh Ranjan (VIPS-TC, IN) Birendra Kumar (G H Raisoni College of Engineering Nagpur, IN) Pallavi Suryakant Parma (G H Raisoni College of Engineering, Nagpur MH, IN)
09:45	1571349038	**On the near-Field Reactive Energy Density Around Dual Band Trap-Loaded Dipoles** Debdeep Sarkar (Indian Institute of Science, IN) Yahia Antar (Royal Military College, CA)
10:00	1571336012	**Radio Wave Characterizations of an Optimized Dual-Polarized FR1/FR2 Antenna for Next-Generation Base Station Deployments** Vadlamudi Roja (Indian Institute of Technology (IIT) Madras, IN) Balakrishna Islavath (MeitY, IN) Mohan Satyaranjan (Chief Technical Officer, IN)
10:15	1571336740	**Triple-Band Dual-Port MIMO Antenna with Slot and Parasitic Strip for Wi-Fi Applications** Suvro Kundu (Tata Consultancy Services, IN) Dheeraj Pandey (Koneru Lakshmaiah Education Foundation Vijaywada, IN) Surajit Kundu (National Institute of Technology Jamshedpur, IN)

Date: 17.12.2026 **Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D4-OP-VII-CR5

Timing	Paper ID	Paper Title
08:30	1571343472	**2-Bit Reconfigurable Reflectarray for 3.5 GHz Beam Steering in 5G mmWave Applications** Ishita Singh (Manipal University Jaipur, IN) Santosh Prasad (Indian Institute of Technology Patna, IN) Akhilesh Kumar (Indian Institute of Technology, Patna, IN)
08:45	1571336058	**A Multi-Bit Digitally Coded Metasurface for Single- and Dual-Beam Steering in IoT Applications** Sumit Gaurav (Indian Institute of Technology, Indore, IN) Patinavalasa Megh Sainadh (Yonsei University, KR) Okan Yurduseven (Queen's University Belfast, GB)
09:00	1571336092	**A Multifunctional Varactor-Loaded Metasurface for Time Modulation and 2-Bit Beam Steering** Soham Nandi (IIT Indore, IN) Patinavalasa Megh Sainadh (Yonsei University, KR) Srivathsan Vasudevan (Indian Institute of Technology Indore, IN)
09:15	1571343641	**A Wideband Angularly Stable Reconfigurable Intelligent Surface for Single-/Multi-Beam Steering** Deepak (Indian Institute of Technology Indore, IN) Akhila Gouda (Indian Institute of Technology Indore, IN) Gaurav Sharma (Indian Institute of Technology Indore, IN)
09:30	1571343013	**Capacitively Tunable Varactor-Based Reflective Metasurface for Dynamic Beam Steering** Rishav Kaundal (Indian Institute of Technology Mandi, IN) Shrikanth Reddy (IIT Palakkad, IN)
09:45	1571336733	**Design and Simulation of a 1-Bit Reconfigurable Intelligent Surface for Beam Steering Applications at 5.9 GHz** Aamer Parah (University of Kashmir, IN) Zamir Wani (University of Kashmir, IN) Javaid Sheikh (University of Kashmir, Srinagar, IN)
10:00	1571346067	**Tile-Based Digitally Coded Reconfigurable Intelligent Surface for 3.5GHz Beam Steering** Raju Malleboina (Indian Institute of Science, IN) Debdeep Sarkar (Indian Institute of Science, IN)
10:15	1571343527	**Wideband 1 Bit Reconfigurable Intelligent Surface Using Vanadium Dioxide for Beam Steering Application** Pritish Mahajan (Indian Institute of Technology Kanpur, IN) Sudeb Bhattacharya (Indian Institute of Technology Kanpur, IN) Rahul Vishwakarma (Indian Institute of Technology Kanpur, IN)

Date: 17.12.2026 **Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D4-OP-VII-CR6

Timing	Paper ID	Paper Title
08:30	1571336571	**3D-Printed Compact Circular-Ring Metasurface for Polarization-Insensitive RCS Reduction for X-Band Applications** Shivangi Dixit (PDPM IIITDM Jabalpur, IN) Dinesh Kumar V (PDPM IIITDM Jabalpur, IN)
08:45	1571342964	**Adaptive 2-State Space-Time Modulated Metasurface for DOA Estimation and RCS Control Using OGSBL and DE Optimization** Varsha Kotha (Visvesvaraya National Institute of Technology Nagpur, IN) Rishendar Singh Bondali (Visvesvaraya National Institute of Technology Nagpur, IN) Komal Mane (Visvesvaraya National Institute of Technology, Nagpur, IN)
09:00	1571342933	**Design and Analysis of 1-Bit Coded Metasurface for RCS Reduction Within Ku, K and Ka Bands** Ankita (University of Delhi, IN) Mukesh Khandelwal (University of Delhi South Campus, IN)
09:15	1571336264	**Design of an Ultra-Wideband RCS Reduction Metasurface with Reduced Infrared-Signature and Optical Transparency** Amogh Suseelan (Indian Institute of Technology, Gandhinagar, IN) Ravi Hegde (IIT Gandhinagar, IN)
09:30	1571336440	**Diffuse RCS Reduction of a 2-Bit Coded Optimized Metasurface at K-Band** Mekala Pushpa Latha (Indian Institute of Space Science and Technology, IN) Darsie Jona G (Indian Institute of Space Science and Technology, IN) Basudev Majumder (IIST, IN)
09:45	1571336889	**Polarization-Modulated Digital Coding Metasurface for Wideband RCS Reduction** Rahul Pawar (Indian Institute of Technology Patna, IN) Kriti Anand (Indian Institute of Technology, Patna, IN) Akhilesh Kumar (Indian Institute of Technology, Patna, IN)
10:00	1571336025	**Programmable Metasurface-Assisted Beyond-Line-of-Sight Electronic Warfare in Complex Terrain** Abhishek Kumar Singh (Military College of Telecommunication Engineering, IN) Amit Verma (Military College of Telecommunication Engineering, IN) Gaurav Sharma (Military College of Telecommunication Engineering, Mhow, IN)
10:15	1571336363	**Two-Term Monostatic RCS of Asymmetric Dielectric Bodies** Bikash Santi (Berhampur University, IN) Biku Raut (Berhampur University, IN) Dhruba Panda (Berhampur University, IN)

Date: 17.12.2026 **Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D4-OP-VII-CR15

Timing	Paper ID	Paper Title
08:30	1571346253	**A Miniaturised High-Pass Frequency Selective Surface for Sub-6 GHz Shielding Applications** Prachi Choubey (Indian Institute of Technology Kanpur, IN) Mohammad Jaleel Akhtar (Indian Institute of Technology Kanpur, IN)
08:45	1571319149	**Contact-Angle-Tunable Metallic Droplet-Based Frequency Selective Surface for Intelligent Wireless Applications** AV Praveen Kumar (BITS Pilani Rajasthan, IN) AR Harikrishnan (BITS Pilani, Rajasthan, IN)
09:00	1571336623	**Design of a Polarization-Insensitive Four-Petal Frequency Selective Surface with Dual-Function Bandpass and Bandstop Characteristics** Anitha Bondalapati (VIT AP, IN) Bappadittya Roy (VIT-AP University, Amaravati, IN)

09:15	1571320265	**Magnetically Tunable VO2-YIG Pixelated Metasurface for Polarization-Selective X-Band Absorption** Kajal Sharma (Dhirubhai Ambani University, IN) Govindam Sharma (Dhirubhai Ambani University, IN) Pankaj Kumar (Dhirubhai Ambani University, IN)
09:30	1571343088	**Miniaturized L-Band Bandpass Frequency Selective Surface for Conformal Radome Applications** Anshuman Jha (Indian Institute of Science Education and Research Bhopal, IN) Akhila Gouda (Indian Institute of Technology Indore, IN) Saptarshi Ghosh (Indian Institute of Technology Indore, IN)
09:45	1571336670	**Multilayer Resistive Frequency Selective Surface Absorber with Ultra-Wideband Performance** Shrey Sandiman (Aeronautical Development Establishment, DRDO, IN) Nipun Mishra (Guru Ghasidas Vishwavidyalaya Central University, IN) Vijay Sutrakar (ADE, DRDO, IN)
10:00	1571336494	**Optically Transparent Dual-Band Microwave Absorber Based on Hybrid Frequency Selective Surface** Dipayan Bose (indian Institute of Engineering Science and Technology, IN) Dhrubajyoti Bhattacharya (Indian Institute of Engineering Science and Technology, Shibpur, IN) Susanta Parui (Indian Institute of Engineering Science and Technology, Shibpur, IN)
10:15	1571342940	**Wide X-Band-Centered Frequency-Selective Rasorber with Geometry-Selective Graded Resistive Loading** Priya Sharma (National Institute of Technology Rourkela, IN) Sudipta Maity (National Institute of Technology Rourkela, IN) Jogesh Dash (National Institute of Technology Rourkela, IN)

Date: 17.12.2026 **Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D4-OP-VII-CR16

Timing	Paper ID	Paper Title
08:30	1571347741	**Design Method for Large-Area Topological Waveguides Based on Three Types of 2-D Rhombic Distributed Transmission Line Models** Tsutomu Nagayama (Kagoshima University, JP)
08:45	1571343771	**Design of a Sub-THz Metasurface for Frequency-Decoupled Polarization Splitting** Aishwarya Gupta (Indian Institute of Technology, Indore, IN) Jiro Hirokawa (Institute of Science Tokyo, JP) Saptarshi Ghosh (Indian Institute of Technology Indore, IN)
09:00	1571343187	**Graphene Based UWB THz Reflective Cross-Polarization Converter** Sethu Veerendra Malireddi (Malaviya National Institute of Technology Jaipur, IN) Toufeeq Ahmed (Malaviya National Institute of Technology, Jaipur, IN) Vikram Maurya (Malaviya National Institute of Technology, Jaipur, IN)
09:15	1571345721	**Mode Splitting in Coupled AMC Structures for Wideband Dual-Band Reflection-Phase Response** Debanjali Sarkar (VIT-AP University, IN) Partha Shome (SR University, Warangal, IN) Mahesh Abegaonkar (IIT Delhi, IN)
09:30	1571341484	**Optically Transparent Metasurface Based Cross Polarization Converter for RCS Reduction over Entire Ku- and K-Bands** Vansh Sohal (IIT (BHU) Varanasi, IN) Ravi Kumar (IIT (BHU) Varanasi, IN) Vishnu Mishra (IIT BHU, IN)
09:45	1571340869	**PEDOT: PSS Metasurface Absorber Integrated with PANI-NiFe2O4 Magneto-Dielectric Composite for Broadband Radar Stealth Application** Ramanandan A (IIT (BHU), IN) Vishnu Mishra (IIT BHU, IN) Somak Bhattacharyya (IIT (BHU), IN)
10:00	1571343235	**Printable Carbon-Ink Based Microwave Absorber with Frequency-Selective Ground** Chandresh Dhote (Visvesvaraya National Institute of Technology Nagpur, IN) Surender Kannaiyan (Visvesvaraya National Institute of Technology, IN) Anamika Singh (Visvesvaraya National Institute of Technology, IN)
10:15	1571340826	**Templar-Cross Based Metasurface for Terahertz Wavefront Polarization Control** Ashish Verma (School of Engineering and Technology, DIT University, Dehradun, IN) Ritish Kumar (Ajay Kumar Garg Engineering College, Ghaziabad, Uttar Pradesh, IN) Abhishek Karwa (BITS, Pilani, IN)

Date: 17.12.2026 **Session Title: Track-VII: Electromagnetics in Biology & Medicine**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D4-OP-VII-CR17

Timing	Paper ID	Paper Title
08:30	1571336059	**A Contact-Aware Microwave Sensor Using a Complementary Split-Ring Resonator and Interdigital Capacitor for Cerebrospinal Fluid** Pramod Rangaiah (Uppsala University, SE) Prakrati Azad (Uppsala University, SE) Thiemo Voigt (Uppsala University, SE)
08:45	1571335531	**Comparative Design and Electromagnetic Characterization of Multi-Topology Coils for Transcranial Magnetic Stimulation** Ravish Patel (Pandit Deendayal Energy University, IN) Nikhil Kalta (Indian Institute of Technology Delhi, IN) Pritam Bag (Indian Institute of Technology Delhi, IN)
09:00	1571320071	**Deep Learning-Driven Inverse Scattering for Real-Time 2D Microwave Tomography Using a Multi-Scale U-Net** Om Ainchwar (Ramdeobaba university, IN) Advait Gadekar (Ramdeobaba university, IN)
09:15	1571320176	**Design and Analysis of Dual-Mode Non-Invasive Microwave Sensors for Skin Abnormality Detection** Kritika Manglesh (Indian Institute of Technology, Mandi, IN) Rakesh Prasad (Indian Institute of Technology Mandi, IN) Anirban Sarkar (IIT Bombay, IN)
09:30	1571336067	**Event-Driven Microwave Imaging for Continuous Monitoring of Hemorrhagic Stroke Progression** Anjitha V (Indian Institute of Technology Palakkad, IN) Athul O Asok (Indian Institute of Technology Palakkad, IN) Sukomal Dey (Indian Institute of Technology Palakkad, IN)
09:45	1571309953	**Investigation for Gate Engineering of Superlattice AlGaN/GaN Dielectric-Modulated Dual-Gate Dual-Channel Multi-Cavity MOSHEMT** Tulip Saha (Adamas University, IN) Rudra Sankar Dhar (National Institute of Technology Mizoram, IN) Moumita Mukherjee (Adamas University, IN)
10:00	1571320040	**Microwave Imaging Resolution Enhancement for Pleural Effusion** Souradeep Das (IIEST, IN) Adarsh Singh (Indian Institute of Engineering Science and Technology, Shibpur, IN) Debasis Mitra (Indian Institute of Engineering Science and Technology Shibpur, IN)
10:15	1571333697	**Resonant Cavity Antenna Setup for Non-Invasive Microwave Medical Imaging Applications** Sunil Sahoo (IIT Kanpur, IN) Soumya Chakravarty (TCS Research, IN) Anwesha Khasnobish (TCS, IN) Mohammad Jaleel Akhtar (Indian Institute of Technology Kanpur, IN)

Date: 17.12.2026 **Session Title: Defence Cluster - 1 (Special Invitation): Panel Discussion on Electronic Warfare**
Timing: 10:00 to 13:00 **Session Chair:**
Session Code: MAP26-D4-CR-17

TEA BREAK (10:30 to 11:00)

Date: 17.12.2026 **Session Title: Keynote Session -III**

Timing:	**11:00 to 11:30**	
Session Code:	CR-1	Puneet Mishra
	CR-2	Jaleel Akhtar (Microwave Imaging and Testing for Industrial Applications)
	CR-3	Dr Kamal K. Samanta (Advances in High-Power RF Components and Amplifiers: From Device Design to Integration and Advanced Packaging)
	CR-4	Dr Nasimuddin ("Mastering Circularly Polarized and Reconfigurable Antennas Through Metasurface Integration for Future Wireless Networks")
	CR-5	Ashutosh Kedar (Authorship)
	CR-6	Ahmed Kishk

Date:	**17.12.2026**	**Session Title: Track-IX: Wireless Power Transfer and Energy Harvesting**
Timing:	**11:30 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D4-OP-VIII-CR1**	

Timing	Paper ID	Paper Title
11:30	**Invited Session**	Sukomal Dey (Micromachined On-Chip RF Devices and Circuits over Microwave to THz Regime)
12:00	**1571319715**	**Design and Analysis of Ferrite-Shielded Flexible NFC Antenna for Wearable Battery-Free Sweat Sensor** Moyila Ganesh (IIT Guwahati, IN) Supriya Khatoniar (Indian Institute of Technology Guwahati, IN) Mahima Arrawatia (IIT Guwahati, IN) Ravindra Jha (IIT Guwahati, IN)
12:15	**1571343473**	**Dual-Frequency Dual-Port Radiator Configuration with in-Built Rat Race Coupler Functionality for Wide Angular Reception** Gopika R (Indian Institute of Space Science & Technology, IN) Chinmoy Saha (Indian Institute of Space Science and Technology, IN) Yahia Antar (Royal Military College of Canada, CA)
12:30	**1571336391**	**Non-Invasive Investigation of Packaged Milk Freshness Detection Using an RFID-Based Method** M Sai (KSRM College of Engineering, IN) Bhavitha Chinthakunta (Central Manufacturing Technology Institute, IN) Setti Suresh (Central Manufacturing Technology Institute, Bangalore, IN) Venkata Narayana (Ksrm college of engineering, IN)
12:45	**1571336350**	**System-Level Bistatic Evaluation of Chipless RFID Tags for Packaging-Aware Identification** Rashmirekha Mishra (National Institute of Technology Rourkela, IN) Santanu Behera (National Institute of Technology Rourkela, IN) Rabindra Mishra (Berhampur University, IN)

Date:	**17.12.2026**	**Session Title: Track-X: Emerging Technologies and Applications**
Timing:	**11:30 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D4-OP-VIII-CR2**	

Timing	Paper ID	Paper Title
11:30	**Invited Session**	Raghavendra Choudhary(Advanced Antenna Technologies for Next-Generation Wireless Communications and Strategic Defence Systems)
11:45	**1571336665**	**An FPGA-Based Controlled FM Illuminator for Radar Applications** Harikrishnan Nair (PES University, IN) Neha Agarwal (DRDO, IN) Vishnu C (LRDE, Bangalore, IN)
12:00	**1571346059**	**Comparative Evaluation of Wi-Fi CSI and 24-GHz FMCW Radar for Human Activity Recognition** Krati Tiwari (Medicaps University, IN) Manojkumar Agrawal (IIT Roorkee, IN) Nagendra Pathak (Indian Institute of Technology Roorkee, IN)
12:15	**1571320226**	**Design and FPGA Realization of a Walsh-Encoded Covert Transceiver with Box-Muller Gaussian Noise** Karthik S (Bharat Electronics Limited, IN) Vishnupriya P V (Bharat Electronics Limited, IN) Sapta Girish Neelam (Bharat Electronics Limited, IN)
12:30	**1571311520**	**Performance Evaluation of Classical Signal Denoising Techniques for the Advanced Indian MST Radar** Sandeep Sanjay Kulkarni (SCTR's Pune Institute of Computer Technology, IN) Yerram Ravinder (Pune Institute of Computer Technology, IN) M V Prasad Kalluri (National Atmospheric Research Laboratory, IN)
12:45	**1571319946**	**A Comparative Study of Fe_3O_4-PDMS and Polyimide Substrate Based Biomedical Antennas for MICS Band** Ishita Jain (IISER Bhopal, IN) Poonam Lathiya (Indian Institute of Science Education and Research Bhopal, IN)

Date:	**17.12.2026**	**Session Title: Track-X: Emerging Technologies and Applications**
Timing:	**11:30 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D4-OP-VIII-CR3**	

Timing	Paper ID	Paper Title
11:30	**Invited Session**	Dr. Marta Martínez-Vázquez, FIEEE, Technical Director - EM Modelling (Fast and Accurate Numerical Simulation of Advanced Antenna Systems)
11:45	**1571320010**	**A Systems Engineering Approach to Payload Antenna Architecture Selection for CubeSat and PocketQube Microwave Payloads** Andreas Froehlich (Griffith University, AU) Gordon Haylett (University of Queensland, AU) Derren Healy (Griffith University, AU) David Thiel (Griffith University, AU) Stephanie Smith (CSIRO, AU) Hugo Espinosa (Griffith University, AU)
12:00	**1571343057**	**AI-Assisted Tandem Network RF Spectral Optimization for C-Band LO Generation** Rahul Menon (ISRO, IN) Muddaser Mohiyuddin (URSC, Bangalore, IN) Khan Afzaal (URSC, Bangalore, IN)
12:15	**1571343001**	**Design of Low-Power, Low-Jitter LC Oscillator with Capacitor Bank Tuning for Bluetooth, WiFi Applications** Anupama Bharti (NIT Silchar, IN) Loknath Kundu (Mirafra Technology Pvt. Ltd, IN) Subhanil Maity (Cyient Semiconductors Pvt. Ltd, Kolkata, WB, IN) Paramita Sarkar (National Institute of Technology Silchar, IN)
12:30	**1571331833**	**Orbital Angular Momentum Beam-Based Dielectric Fault Detection Using a Cavity-Backed Antenna** Venkateswara Rao (SRM University AP, IN)
12:45	**1571342869**	**Link Performance Analysis of Superstrate-Loaded Implantable Antenna Across Tissue Types and Implantation Depths Toward Tissue-Independent ISM-Band Biotelemetry** Satyam (Birla Institute of Technology & Science, Pilani, IN) AV Praveen Kumar (BITS Pilani Rajasthan, IN)

Date:	**17.12.2026**	**Session Title: Track-II: Antennas & Propagation / Track-IX: Wireless Power Transfer and Energy Harvesting**
Timing:	**11:30 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D4-OP-VIII-CR4**	

Timing	Paper ID	Paper Title
11:30	**Invited Session**	Sandeep Chaturvedi (Design and Development of high reliability MMICs for aerospace and defence applications.)
12:00	**1571294352**	**Metamaterial-Assisted Electromagnetic Wave Wireless Power Transfer for Improved near-Field Coupling** Manda Hema Sai (National Institute of Technology Calicut, IN) Nikhil C S (National Institute of Technology Calicut, IN)
12:15	**1571336310**	**Multi-Harmonic Hilbert-RBF Synthesis of Dynamic Power-Variant Microstrip Matching Networks for RF Rectifiers** Athul Parameswaran (Indian Institute of Space Science and Technology, Thiruvananthapuram, IN) Basudev Majumder (IIST, IN)
12:30	**1571343288**	**Toward Next Generation Microwave Wireless Energy Transfer an Optimised High Performance RF-DC Converter at 2.45 GHz** Amarnath Kumar (IIT Guwahati, IN) Vivek Kumar (Université catholique de Louvain (UCLouvain), BE) Chayanika Baishya (IIT Guwahati, IN)
12:45	**1571322061**	**Ultra Low Crosstalk on-Chip Antenna Using Defected Ground Structure in RFIC Environment** Vipin Singh (Amrita Vishwa Vidyapeetham Coimbatore, IN) Harshavardhan Singh (Amrita Vishwa Vidyapeetham Coimbatore Campus, IN) Somesh Kumar (ABV IIITM Gwalior India, IN)

Date:	**17.12.2026**	**Session Title: Track-II: Antennas & Propagation / Track-X: Emerging Technologies and Applications**
Timing:	**11:30 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D4-OP-VIII-CR5**	

Timing	Paper ID	Paper Title
11:30	**Invited Session**	KP Ray (New Findings on Dolph-Tschebyscheff Aperture Distribution for Antenna Array)
11:45	**1571319729**	**A High-Performance Hexagonal Microstrip Array Antenna for Next-Generation Wireless Applications** Girish Kumar N G (Visvesvaraya Technological University, IN) Aniruddha A (Bangalore Institute of Technology, IN) Manohara N (Bangalore Institute of Technology, IN)
12:00	**1571342951**	**A Three-Layer 1U CubeSat Architecture for High-Altitude Atmospheric Monitoring with Redundant Edge-to-Cloud Telemetry** Mittakola Laxmikanth (B V Raju Institute of Technology, Narsapur, IN) Manikanta Bhukya (B V Raju Institute of Technology, Narsapur, IN) Rvnr Suneel Krishna (BV Raju Institute of Technology, Narsapur, IN) Sanjay Dubey (Jawaharlal Nenru Technological University, IN)
12:15	**1571342539**	**AntennaZero: Self-Play Machine Learning for Bound-Certified Pixelated Antenna Design** Akshat Sharma (VIT Bhopal University, IN) Anveshkumar Nella (VIT Bhopal University, IN)
12:30	**1571333462**	**Bandwidth Efficient High Power Telemetry Transmitter for Space Vehicles** Indu Gopan (VSSC ISRO, IN) Sreekanth A (Vikram Sarabhai Space Centre, IN) Muhammed Suhail S (VSSC, IN)
12:45	**1571336725**	**Design of Dual Band Stacked Patch Antenna for WLAN Applications** Maheshkumar Makwana (Shri G. S. Institute of Science and Technology, Indore, IN) Satish Jain (SGSITS INDORE, IN)

Date:	**17.12.2026**	**Session Title: Track-X: Emerging Technologies and Applications**
Timing:	**11:30 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D4-OP-VIII-CR6**	

Timing	Paper ID	Paper Title
11:30	**Invited Session**	Anthony Ghiotto (Air-filled Subtrate integrated waveguide technology)
12:00	**1571336775**	**MNA-Informed Neural Networks with Recursive Convolution for Uncertainty Quantification of Distributed Transmission Line Networks** Dyuti Basu (IIT Roorkee, IN) Shubham Dabre (IIT Roorkee, IN) Aakanksha Verma (IIT Roorkee, IN)
12:15	**1571342934**	**Performance Analysis and Optimization of Dense LoRa Networks** Mandeep Malik (Indian Institute of Information Technology, IN) Ashwin Kothari (VNIT NAgpur, IN) Rashmi Pandhare (Indian Institute of Information Technology, Nagpur, IN)
12:30	**1571343656**	**Smith Chart Traversal Algorithm for Designing Broadband Matching Networks** Aditya Mehta (Pandit Deendayal Energy University, IN) Chiranjit Majumder (Indian Institute of Technology Kanpur, IN) Nagaditya Poluri (Indian Institute of Technology Kanpur, IN)
12:45	**1571346259**	**Temporal Decorrelation Based Forest Biophysical Parameter Estimation: An Exploratory Study Using P-Band BIOMASS Data** Arpan Dawn (Indian Institute of Technology Indore, IN) Unmesh Khati (Astrophysics and Space Engineering, IIT Indore, Madhya Pradesh, IN)

Date:	**17.12.2026**	**Session Title: Track-V: 5G/6G Research and Beyond / Track-IV: THz, Photonics & Quantum Technologies / Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces**
Timing:	**11:30 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D4-OP-VIII-CR15**	

Timing	Paper ID	Paper Title
11:30	**Invited Session**	Gaurav Sharma (Software-Defined Radio Technologies for Intelligent Defence Communication Systems: From Microwave and Antenna Design to Intelligent RF Systems)
12:00	**1571346282**	**Wideband PIN-Diode-Based RIS with Analytical Modeling for Millimeter-Wave Beam Steering** Spandan Manna (RWTH Aachen University, DE) Justus Krämer (RWTH Aachen University, DE) Dirk Heberling (RWTH Aachen University, DE)
12:15	**1571349461**	**Transmissive Beam Focusing Metalens for Ku-Band Wireless Power Transfer Applications** S Vignesh (National Institute of Technology Karnataka, IN) Madhusudhan Rangula (National Institute of Technology Karnataka, IN) Nithin Koilkonda (National Institute of Technology Karnataka, IN)
12:30	**1571335598**	**Optical Performance Evaluation of off-Axis Parabolic Mirror Geometries for Terahertz Transmission Spectroscopy** Elakkiya S P (none, IN) Bhanothu Yakub (Central Electronics Engineering Research Institute, IN) Rishi Ranjan (Central Electronics Engineering Research Institute, IN)
12:45	**1571342066**	**Design of a Compact Flexible Serpentine-Shaped Antenna for Wearable Applications** Vaishnavi Newalkar (IIIT Nagpur, IN) Pragyan Srivastava (IIIT Nagpur, IN) Nagari Vardhan (IIIT Nagpur, IN) Shankar Bhattacharjee (IIIT Nagpur, IN)

Date:	**17.12.2026**	**Session Title: Track-VI: Measurement Techniques / Track-VII: Electromagnetics in Biology & Medicine / Track-IX: Wireless Power Transfer and Energy Harvesting / Track-X: Emerging Technologies and Applications**
Timing:	**12:00 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D4-OP-VIII-CR16**	

Timing	Paper ID	Paper Title
12:00	**1571344886**	**Transient Microwave Spectroscopy for Probing Photopolymerisation Kinetics** Vivank Tyagi (Dayalbagh Educational Institute, IN) Manvi Jain (Dayalbagh Educational Institute, IN) Anam Saifi (Dayalbagh Educational Institute, IN) Zeeshan Saifi (Dayalbagh Educational Institute, IN)
12:15	**1571320132**	**Single Radiating Aperture for Sharper Images: A Shorted Patch Antenna for High-Resolution near-Field Microwave Imaging of Subcutaneous Tissue Anomalies** Soumya Chakravarty (TCS Research, IN) Anwesha Khasnobish (TCS, IN) Mohammad Jaleel Akhtar (Indian Institute of Technology Kanpur, IN)
12:30	**1571319782**	**Textile Based Rectenna for Energy Harvesting in ISM Band Applications** Nareen Jan (University of Kashmir, IN) Javaid Sheikh (University of Kashmir, Srinagar, IN) Gulzar Ganie (University of Kashmir, IN)
12:45	**1571346225**	**Sentinel-1 InSAR Mapping of Coseismic Deformation After the 2026 Kumamoto (Uto) Earthquake** Surajit Ghosh (International Water Management Institute, LK) Arpan Dawn (Indian Institute of Technology Indore, IN) Sneha Kour (Birla Institute of Technology, Mesra, IN)

LUNCH BREAK (13:00 to 14:00)

Date:	**17.12.2026**	**Session Title: Student Design Contest**
Timing:	**14:00 to 16:00**	
Session Code:	**MAP26-D4-**	**CR-1, CR-2**

Date:	**17.12.2026**	**Session Title: 3 Minute Thesis**
Timing:	**14:00 to 16:00**	
Session Code:	**MAP26-D4-**	**CR-3, CR-4**

Date:	**17.12.2026**	**Session Title: Defence Cluster - 2**
Timing:	**14:00 to 16:00**	Dr. B.H.V.S. Narayana Murthy
Session Code:	**MAP26-D4-CR-5**	Sunil Sharma, DRDO (Defence Cluster Photonic Integrated Circuits: for future semiconductor technology.) Ashish Jindal (Defence Cluster Wideband MMIC Circuits for Next-Gen RF Systems for Electronic Warfare applications)

Date:	**17.12.2026**	**Session Title: India Business Committee**
Timing:	**14:00 to 16:00**	
Session Code:	**MAP26-D4-MR-103**	

Date:	**17.12.2026**	**Session Title: Woman in Antenna, Microwave & Space**
Timing:	**14:00 to 16:00**	Asmita Dani (Pushing the Limits: III-V PA Technology for Millimeter-Wave and Sub-THz Applications)
Session Code:	**MAP26-D4-CR-6**	Priyanka Mishra (Challenges in Satellite Integration for Strategic and Scientific missions) Dr.S.Kanthamani (From RF MEMS to Intelligent Microsystems - A Research Journey Across Scales and Disciplines) Aradhana Misra (Towards Ubiquitous and Inclusive Connectivity in 6G) Madhumita Chakraborty

Date:	**17.12.2026**	**Session Title: BPC Panel Discussion - Scholarship and Student Mentoring**
Timing:	**14:00 to 16:00**	
Session Code:	**MAP26-D4-CHall**	

TEA BREAK (16:00 to 16:30)

Date:	**17.12.2026**	**Session Title: Special Session - Advanced Dielectric Resonator Antennas for Next-Generation Wireless, Space, and Intelligent Communication Systems**
Timing:	**16:30 to 18:30**	**Session Chair:**
Session Code:	**MAP26-D4-OP-IX-CR1**	

Timing	Paper ID	Paper Title
16:30	**1571336593**	**Design and Numerical Analysis of a Compact Hybrid Cylinder-Cuboid Dielectric Rod Antenna for Ka-Band Applications** Manojkumar Agrawal (IIT Roorkee, IN) Devendra Kumar (IIT Roorkee, IN) Nagendra Pathak (Indian Institute of Technology Roorkee, IN)
16:45	**1571340656**	**Air-Gap-Coupled Stacked THz Dielectric Resonator Antenna with Staircase Quartz Resonators for Beyond-6G** Ritika Chouksey (Shri Ramdeobaba College of Engineering and Management, IN) Ankita Harkare (Shri Ramdeobaba College of Engineering and Management, Nagpur, IN) Yogesh Solunke (VNIT NAGPUR, IN)
17:00	**1571343010**	**Quantum Sensor-Based Electromagnetic Imaging for Nanoparticle-Guided Cancer Diagnostics** Maharana Singh (Indian Institute of Technology Indore, IN) Pinku Ranjan (IIITM Gwalior, IN) K Pattanaik (Indian Institute of Information Technology and Management, IN)
17:15	**1571343177**	**Dielectric Lens-Based Structures for Gain-Enhancement of Dielectric Resonator Antenna** Trisha Thiagarajan (Nanyang Technological University, SG) N Nasimuddin (Institute for Infocomm Research, SG) Arokiaswami Alphones (Nanyang Technological University, SG)
17:30	**1571343495**	**Machine Learning-Based Resonant Mode Recognition and Design Optimization for Cylindrical Dielectric Resonator Antennas** Cuong Do-Manh (PHENIKAA University, VN) Pinku Ranjan (IIITM Gwalior, IN) Jayant Rai (Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior, MP, IN) Ashish Gupta (Jaypee Institute of Information Technology Noida, IN)
17:45	**1571334527**	**Validation of Prototype IoMT System Using a 2×2 LHCP Microstrip Antenna Array** Sasmita Nayak (Iiit Bhubaneswar, IN) Rishal Swain (International Institute of Information Technology, Bhubaneswar, IN) Ankit Kumar Muduli (International Institute of Information Technology, Bhubaneswar, IN)
18:00	**1571336338**	**Design and Parameteric Analysis of Coaxial Input Coupler for Ka Band Space TWTs** Deepali Yadav (Banasthali Vidyapith, IN) A Latha (CSIR- CEERI, Chennai Centre, IN) Meenu Kaushik (Banasthali Vidyapith, IN)
18:15	**1571336627**	**A Two-Stage Fusion Architecture for Asynchronous Multi-Rate HFSWR Radar Networks** Avinash Nair (none, IN) Vinnakota Mohan (LRDE DRDO, IN) Sweetlin P (D Block No- 501 Aishwarya Lake View Residency, IN)

Date:	**17.12.2026**	**Session Title: Special Session - Special Session - Low Observable Antennas / Advanced Materials and AI Based Wearable Antennas for Wireless Body Area Network Communication / Special Session - AI-Driven Array Signal Processing and Imaging for Defence, Biomedical, Space, and Wireless Applications**
Timing:	**16:30 to 18:30**	**Session Chair:**
Session Code:	**MAP26-D4-OP-IX-CR2**	

Timing	Paper ID	Paper Title
16:30	**1571336646**	**Lightweight Resistive Pyramidal Broadband Microwave Absorber** Attada Phanendra Kumar (Indian Institute of Science, Bengaluru, IN) Vijay Sutrakar (ADE, DRDO, IN)
16:45	**1571343487**	**Dual-Polarized Magneto-Electric Dipole Antenna with High Isolation and Stable Broadside Radiation for X-Band Applications** Shubhangi Awasthi (IIT Roorkee, IN) Shivang Mishra (India Institute of Technology Kanpur, IN) Anubhav Kumar (Indian Institute of Technology, IN)
17:00	**1571343715**	**Optimization of Radiation and Scattering Characteristics of an Antenna Using a Dielectric-Loaded Partially Reflecting Surface** Richa Verma (IIT KANPUR, IN) Anubhav Kumar (Indian Institute of Technology, IN) Raghvendra Chaudhary (IIT Kanpur, IN)
17:15	**1571346219**	**Design of an A-T-A Frequency Selective Rasorber Integrated Antenna for Broadband RCS Reduction** Ujjwal Tripathi (IIT BHU, IN) Amit Singh (IIT(BHU), IN)
17:30	**1571349188**	**Design of Varying-Resistance FSS-Based Radar Absorber Using CNN and DNN Approaches** Sajal Kesharwani (Aeronautical Development Establishment, IN) Anjana PK (Aeronautical Development Establishment, IN) Preeti Kumari (CE, ADE, DRDO, IN) Vijay Sutrakar (ADE, DRDO, IN)
17:45	**1571320303**	**Comparative Investigation of Ground-Plane Configurations for Passive 60-GHz PDMS Resonant Pulse Sensors** Yinyi Zhao (Florida International University, US) Mayank Pandey (The City College of New York, US) Rashid Sowah (The Ohio State University, US) Satheesh Bojja Venkatakrishnan (Florida International University, US)

18:00	1571343516	**A Dual-Band CPW-Fed Self-Grounding Wearable Antenna for WLAN and X-Band Microwave Imaging Applications** Dhanalaxmi Chintakayala (Vardhaman College of Engineering, IN) Bhavitha Bheemagouni (Vardhaman College of Engineering, IN) Kukkadapu Lakshman (ICOMM Tele Limited, IN)
18:15	1571335961	**Factorized Fast Backprojection-Based UWB Image Reconstruction for Drone-Mounted Radar Systems** Paramananda Jena (Electronics and Radar Development Establishment (LRDE) DRDO, Bangalore, IN) Kedar Sahu (Stanley College of Engineering and Technology for Women, IN) Sagarika Behera (CMR Institute of Technology, Bangalore, IN) Sunil Yadav (Electronics and Radar Development Establishment (LRDE) DRDO, Bangalore, IN)

Date: 17.12.2026 — **Session Title: Special Session - EM Coupling Aware Near Field Communication Modeling in 5G/6G / Special Session - Beyond Static: Dynamic Space-Time Modulated Metasurfaces for Secure Communication and Defense / Special Session - Smart Materials and AI Driven Reconfigurable Antennas for B5G/6G Microwave, mmWave and THz Applications / Special Session - AI/ML-Driven Rectenna Technologies for WPT and RF Energy Harvesting**

Timing: 16:30 to 18:30 — **Session Chair:**

Session Code: MAP26-D4-OP-IX-CR3

Timing	Paper ID	Paper Title
16:30	1571335452	**Transfer Learning Based Two-Stage Approach for Indian Indoor Pathloss Prediction at 5.7 GHz** Vishnu Karthikeya Gorty (TCS Research, IN) Garima Mishra (Tata Consultancy Services, IN) Amartya Banerjee (TCS Research, IN) Arpan Pal (Tata Consultancy Services, IN)
16:45	1571335468	**A Robust Phase-Profile Optimization Method for SLL-Optimized Beam Steering in Dynamic RIS Operation** Vedula Bharadwaj (TCS Research, IN) Amartya Banerjee (TCS Research, IN) Hemant Kumar Rath (Tata Consultancy Services, IN)
17:00	1571332997	**Dual-Band Antenna for in-Body Biomedical Telemetry** Sarosh Ahmad (Institute National de La Recherche Scientifique, CA) Idris Saadu (Pan African University Institute for Basic Sciences, Technology and Innovation,, KE) Khaled Albaden (INRS, University of Quebec, CA) Tayeb Denidni (INRS, CA)
17:15	1571343391	**Co-Polarized Dual-Band Full Duplex Antenna with Enhanced SIC for V2X and 6G Applications** Amrit Behera (NIT, Rourkela, IN) Sandip Ghosal (NIT Rourkela, IN) Jogesh Dash (National Institute of Technology Rourkela, IN)
17:30	1571336782	**A Compact Tri-Band Circular Ring Monopole Antenna with Equivalent Circuit Modeling for K/Q/V-Band Millimeter-Wave Applications** Akhilesh Kumar (Indian Institute of Technology (IIT) Bhubaneshwar Odisha, IN) Debalina Ghosh (IIT Bhubaneswar, IN) Prabina Pattanayak (National Institute of Technology Silchar, IN)
17:45	1571343410	**Graphene-Loaded Wideband Microstrip Patch Antenna for 6G Terahertz Applications** Noi Truong-Quang (PHENIKAA University, VN) Pinku Ranjan (IIITM Gwalior, IN) Maharana Singh (Indian Institute of Technology Indore, IN)
18:00	1571343189	**Reproducible Machine-Learning Surrogates and Full-Wave-Validated Optimization for Microstrip Patch-Antenna Design** Vishal Verma (IIIT BHOPAL, IN) Pawan Kumar (IIIT Bhopal, IN) Pradnya Gajbhiye (IIIT BHOPAL, IN)

Date: 17.12.2026 — **Session Title: Track-VII: Electromagnetics in Biology & Medicine**

Timing: 16:30 to 18:30 — **Session Chair:**

Session Code: MAP26-D4-OP-IX-CR4

Timing	Paper ID	Paper Title
16:30	1571343317	**Analytical Array Synthesis Algorithms for Focused Microwave Hyperthermia Treatment** Rahul Choudhary (Indian Institute of Technology Madras, IN) Kavitha Arunachalam (Indian Institute of Technology Madras, IN)
16:45	1571348095	**Conformal DGS-Loaded Microstrip Patch Antenna for 5.8 GHz ISM Band Wireless Capsule Endoscopy Applications** Iftikar Barlaskar (National Institute of Technology Silchar, IN) Hrisikesh Roy (National Institute of Tchnology Silchar, IN) Taimoor Khan (National Institute of Technology Silchar, IN)
17:00	1571336696	**Effect of Fat Thickness on the Heating Performance of a 915 MHz Meandered Microwave Hyperthermia Applicator** Mable Alex (National Institute of Technology, Tiruchirappalli, IN) Geetha Chakaravarthi (NITT, IN) R Narthana Devi (National Institute of Technology Trichy, IN)
17:15	1571343668	**Influence of Tumor Size and Location on the Performance of a 915MHz Meandered Patch Hyperthermia Applicator** R Narthana Devi (National Institute of Technology Trichy, IN) Mable Alex (National Institute of Technology, Tiruchirappalli, IN) Geetha Chakaravarthi (NITT, IN)
17:30	1571320210	**Numerical Analysis of EMF Exposure in Cell Suspensions for in-Vitro Microwave Hyperthermia Studies** Sneha Vikram (Indian Institute of Technology, Madras, IN) Kavitha Arunachalam (Indian Institute of Technology Madras, IN)
17:45	1571319918	**Numerical Skin and Breast Tissue-Model Discrimination Using a 2.4-GHz Microstrip-Coupled Perturbed Ring Resonator Biosensor** Infant Leo S (National Institute of Technology, Tiruchirapalli, IN) Parthasarathy Ramanujam (National Institute of Technology, Trichy, IN) Swarna M (Dr MGR Educational and Research Institute Chennai, IN)
18:00	1571342586	RSS-Based Orientation Estimation of Wireless Capsule Endoscope Irtifa Aalam (National Institute of Technology Srinagar, IN) Pritam Bag (Indian Institute of Technology Delhi, IN) Vikrant Kaim (Indian Institute of Technology Delhi (IIT Delhi), IN)
18:15	1571345724	**SIW Loaded Vivaldi Antenna for Microwave Breast Tumor Imaging Based on CMI and DAS Algorithms** Bhavani Maddirala (Lakireddy Bali Reddy College of Engineering, Mylavaram, IN) Divya Chaturvedi (Indian Institute of Information Technology, Pune, IN) K Mohan (Lakireddy Bali Reddy College of Engineering, IN)

Date: 17.12.2026 — **Session Title: Track-I: RF & Microwave Components, Circuits and Systems / Track-X: Emerging Technologies and Applications**

Timing: 16:30 to 18:30 — **Session Chair:**

Session Code: MAP26-D4-OP-IX-CR5

Timing	Paper ID	Paper Title
16:30	1571343528	**A Broadband Feed Network for Dual-Fed Circularly Polarized GPS/GNSS Antennas** Davara Adithya (JNTU, IN) Dovari Nagaraju (DRDO, IN) Yogesh Verma (Research Center Imarat, IN)
16:45	1571343575	**A Compact Dual-Band Branch-Line Balun for 2.4/5.2 GHz WLAN Applications** Aduitya Kaushal (National Institute of Technology, Rourkela, IN) Gadige Prakash (NIT Rourkela, IN) Rakesh Sinha (National Institute of Technology, Rourkela, IN)
17:00	1571336681	**A Novel Coupled-Branch Branch-Line Coupler with Arbitrary Power Division Ratio and Quadrature Phase Difference** Aduitya Kaushal (National Institute of Technology, Rourkela, IN) Rakesh Sinha (National Institute of Technology, Rourkela, IN) Henning Mextorf (West Coast University of Applied Sciences, DE)
17:15	1571336081	**Design and Analysis of Wideband Series Feed Network at 5.5 GHz for WLAN Antenna** Rama Prasad (K K Birla Goa Campus India, IN) Anand Mantri (Bits Pilani, Goa Campus,, IN) Dinesh Aluri (Bits Pilani k k Birla goa campus, IN)
17:30	1571345993	**Dual-Band and Dual Functionality Filter Based on Microstrip Closed Square Loop Resonators** Amit Patel (Loughborough University, GB) William Whittow (Loughborough University, GB) Aakash Bansal (Loughborough University, GB)
17:45	1571320143	**Dual-Band Bandpass Filter with Controllable Inter-Band Isolation for Sub-6 GHz 5G and WLAN Application** Sarvansh Dave (Ahmedabad University, IN) Sanket Patel (Ahmedabad University, IN)

18:00	1571336656	**Sustainable Microwave Absorbers from Dual Waste Streams: Spent Coffee Grounds and Recycled Alkaline Battery Composites** Naveen Kumar (CHRIST University, Bangalore, IN) Mohsen Koohestani (ESEO School of Engineering, FR)
18:15	1571331145	**A Swarm of Drones Based Phased Array Antenna with Low Sidelobe Level and Enhanced Scan Performance** Ishaan Kedar (VIT, IN) Suhaani Kedar (Vellore Institute of Technology, IN) Nijas Kunju (Synopsys, IN)

Date: 17.12.2026 **Session Title: Atmanirbhar Bharat / Make in India / Vikasit Bharat: Success stories of Entrepreneur**
Timing: 16:30 to 18:30 **Session Chair:**
Session Code: MAP26-D4-G-CHall

Date: 17.12.2026 **Session Title: IEEE Initiative (Koradi Powerplant Sustainable Development Panel Discussion)**
Timing: 17:30 to 18:30 **Session Chair:**
Session Code: MAP26-D4-G-CR-15

Date: 17.12.2026 **Session Title: IEEE T-MTT Editorial Meeting**
Timing: 17:30 to 18:30 **Session Chair:**
Session Code: MAP26-D4-G-CR-17

Date: 17.12.2026 **Session Title: Mentor-Mentee Program**
Timing: 16:30 to 18:30 **Session Chair:**
Session Code: MAP26-D4-G-CHall

Date: 17.12.2026 **Cultural Event & Award Ceremony**
Timing: 19:00 to 21:30
Session Code: MAP26-D4-G-CHall

BANQUET DINNER (19:30 to 21:30)

DATE 18.12.2026

18.12.2026 | Day-5	MAPCON Sunrise walk
	Oral Presentation - X
	YP Industry Connect and Entrepreneurship
	Tea
	Oral Presentation - XI
	Lunch
	Invited Session + Oral Presentation - XII
	B.Tech, M.Tech and PHD Initiative: Evaluation
	Tea
	Valedictory Function

Date: 18.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D5-OP-X-CR1

Date: 18.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D5-OP-X-CR1

Timing	Paper ID	Paper Title
08:30	1571336425	**A Compact Broadband Millimeter Wave Four-Way Power Divider** Kusum Sharma (National Institute of Technology Sikkim, IN) Bijit Biswas (SAMEER, IN) Reshmi Dhara (National Institute of Technology, IN)
08:45	1571319917	**Compact Transition-Free SSPP-SIW Hybrid Bandpass Filter with Defected Ground Structure for Millimeter-Wave Applications** Ashish Kumar (IIT Guwahati, IN) Manshree Mishra (Indian Institute of Technology, Guwahati, IN) Ashwini Sawant (Indian Institute of Technology Guwahati, IN)
09:00	1571335589	**Deep Generative Inverse Design of Square-Cavity Slow-Wave Structures Using CVAE and BO** Mita Jana (Scientist at DRDO Bangalore, IN) M Sumathy (MTRDC DRDO, IN) Abhishek Jha (IIT Tirupati, IN)
09:15	1571334622	**Design and Simulation of a Complex Cavity to Enhance Tunable Bandwidth of a Sub-THz Gyrotron** Vaidehi Meshram (Indian Institute of Information Technology, Nagpur, IN) Girish Ghivela (IIIT Nagpur, IN) Rajanish Singh (IIIT Nagpur, IN)
09:30	1571336847	**Microwave and Millimeter-Wave Shared-Aperture Antenna Employing Concentric SIW Cavities** Yadvendra Dwivedi (ABV-IIITM Gwalior, IN) Somesh Kumar (ABV IIITM Gwalior India, IN) Rakesh Chowdhury (ABV IIITM Gwalior, IN)
09:45	1571336305	**Particle-in-Cell Simulation and Thermal Analysis of High-Power Millimeter-Wave Gyrotron** Vaidehi Meshram (Indian Institute of Information Technology, Nagpur, IN) Abhishek Singh (Jamia Millia Islamia, IN) Rajanish Singh (IIIT Nagpur, IN)
10:00	1571332803	**Thermal Analysis of Diffusion Bonded G-Band Folded Waveguide Slow Wave Structure** Santosh Kumar (MTRDC, DRDO, IN) Karthik H S (none, IN) Anurag Srivastava (Ministry of Defence, DRDO, IN) MV Kartikeyan (IIT Tirupati, IN)
10:15	1571336401	**Adaptive Hybrid Direction-of-Arrival Estimation in Contested Electromagnetic Environments: A Qualitative Framework** Sumana E N (Himil Hi-Tech Electronics Pvt Ltd, IN) Ratnesh Gaur (Himil Hi Tech Electronics Pvt Ltd, IN)

Date: 18.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems / Track-II: Antennas & Propagation**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D5-OP-X-CR2

Timing	Paper ID	Paper Title
08:30	1571336145	**A Non-Invasive Microwave Sensing System for Moisture Detection in Wood Samples** Dibyadipika Sahoo (IIT Kanpur, IN) Sunil Sahoo (IIT Kanpur, IN) Sanjeev Mishra (IIIT Bhubaneswar, IN)
08:45	1571336605	**A Real-Time FPGA Implementation of a π/4-DQPSK Baseband Modem for STAR** M Vikranth (IIT Hyderabad, IN) B Shashank Yadav (Indian Institute of Technology, Hyderabad, IN) Jaya Mishra (Defence Electronics Applications Laboratory, IN)
09:00	1571336534	**A SIW Periodic Leaky-Wave Antenna Suppressing Periodic Stopband Using I-Shaped Radiating Slots** Amal Pramod (Indian Institute of Information Technology Pune, IN) Divya Chaturvedi (IIIT Pune, IN) Arvind Kumar (Dept of ECE Visvesvaraya National Institute of Technology Nagpur India, IN)
09:15	1571343369	**Monolithic High-Performance Single Chip Six-Bit True Time Delay Shifter for RADAR Applications** Shruti Sinha (SAC, ISRO Ahmedabad, IN) Cvn Rao (Space Applications Centre (ISRO), IN) Milind Mahajan (Space Applications Centre, ISRO, IN)
09:30	1571336579	**Periodically Distributed Time-Varying Capacitors in Microstrip Transmission Line to Achieve Magnet-Free Non-Reciprocity** Khan Parvez (IIIT Naya Raipur, IN) Durushetty Ravalika (IIIT Naya Raipur, IN) Maifuz Ali (DSPM IIIT Naya Raipur, IN) Ravi Kumar Arya (Zhongshan Institute of Changchun University of Science and Technology, CN)
09:45	1571345614	**Pipelined Sobel Edge Detection for Satellite and SAR Images on Artix-7 FPGA** Sanket Chaudhari (Indian Institute of Information Technology Nagpur, IN) Shreyash Kale (Indian Institute of Information Technology Nagpur, IN) Hrudul S (Indian Institute of Information Technology Nagpur, IN)
10:00	1571343544	**S-to-C Band Continuous Inverse Class F GaN MMIC Power Amplifier for 5G/Satellite Applications** Ganesh Bargaje (Indian Institute of Technology Roorkee, IN) Karun Rawat (Indian Institute of Technology Roorkee, IN)
10:15	1571343364	**A Compact Flexible Monopole Antenna for 5.8-GHz ISM-Band Body-Centric Wireless Applications** Darsi Srirama Murthy (VIT-AP University, IN) Venkata Rajasekhar Nuthakki (VIT-AP-AP, IN)

Date: 18.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems / Track-II: Antennas & Propagation**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D5-OP-X-CR3

Timing	Paper ID	Paper Title
08:30	1571316826	**A Reflection-Type Phase Shifter Using Compensated Varactor Loads for Enhanced Effective Bandwidth** Srijita Chakrabarti (Indian Institute of Technology, Kharagpur, IN) Kavya Agarwal (IIT Kharagpur, IN) Mrinal Mandal (Indian Institute of Technology, Kharagpur, IN)
08:45	1571336536	**Behavioral Modelling of Doherty PA Using an Envelope State Memory Polynomial** Girish Tripathi (Tejas Networks Limited, IN) Anindya Saha (Tejas Networks, IN)
09:00	1571342821	**Discrete Digital Loaded-Line Phase Shifter for Lower-6 GHz Phased-Array Antenna System** Ramesh Patel (Indian Institute of Technology Tirupati, IN) Madhavi Nelli (Indian Institute of Technology Tirupati, IN) Shriyansh Sharma (Indian Institute of Technology Tirupati, IN)
09:15	1571343064	**Implementation and Verification of a CORDIC-Based Multi-Channel Phase Calibration Architecture for Radar Receivers** Golla Dedeep Satya Sai (Sri Venkateswara College of Engineering, IN) M V Prasad Kalluri (National Atmospheric Research Laboratory, IN) Mokshit Gutturu (Sri Venkateswara College of Engineering, IN)
09:30	1571336784	**Inductive Loaded Reflection Type Phase Shifter Using BHF Discs** Bhukya Sathish (Indian Institute of Technology Tirupati, IN) Puppala Purna Phani Chaitanya (Indian Institutes of Technology, Tirupati, IN) Sai Haranadh Akkapanthula (IIT Tirupati, IN)
09:45	1571336488	**Performance Evaluation of 16-APSK Systems Under Oscillator Phase Noise and IQ Imbalance** Steffy Benny (URSC - ISRO, Bangalore, IN) Deepali Vaishya (URSC, IN) Geethanjali Balla (Indian Space Research Organization, IN) Senthil Kumar (ISRO, Bangalore, IN)
10:00	1571336690	**Tunable Planar Slotted Waveguide Phase Shifter Using Ferrite Powders** Sai Haranadh Akkapanthula (IIT Tirupati, IN) Puppala Purna Phani Chaitanya (Indian Institutes of Technology, Tirupati, IN) Srujana Kagita (IIT Tirupati, IN)
10:15	1571343640	**A CPW-Fed Compact Flexible Star-Shaped Antenna for Wireless Applications** A. Pranathi (Osmania university, IN) A. Bharathi (Osmania University, IN) Nagesh Goli (Osmania University, IN)

Date: 18.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems / Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D5-OP-X-CR4

Timing	Paper ID	Paper Title
08:30	1571343289	**A Space-Qualified High-Performance Four-Channel IF Receiver with Pre Amplifier Unit for Temperature Sounding Payloads** Nilesh Makwana (Space Applications Centre, ISRO, IN) Shruti Sinha (SAC, ISRO Ahmedabad, IN) Cvn Rao (Space Applications Centre (ISRO), IN)
08:45	1571343362	**Design and Development of Multichannel IF Receiver for 183 GHz Spaceborne Humidity Sounder** Nitesh Sharma (SAC ISRO, IN) Ravi Khatri (Space Applications Centre, IN) Piyush Sinha (Space Application Centre, IN) Suryanarayana Pitta (Space applications centre, IN)
09:00	1571348296	**Design and Experimental Validation of a CPFSK Modulator for Balise-BTM Communication** Alok Kumar (Bharat Electronics Limited, IN) Anirudh Kanfade (Bharat Electronics Limited, IN) Vikas Kumar (Design Engineer, IN)
09:15	1571342987	**Design and Realization of a Space-Qualified 15.275 GHz Integrated Frequency Source for a 183 GHz Humidity Sounder** Piyush Sinha (Space Application Centre, IN) Ravi Khatri (Space Applications Centre, IN) Nitesh Sharma (SAC ISRO, IN)
09:30	1571343233	**Impact of Practical Clock Waveforms on Conversion and Harmonic Performance of N-Path Mixers** Srijita Chakrabarti (Indian Institute of Technology, Kharagpur, IN) Mrinal Mandal (Indian Institute of Technology, Kharagpur, IN)
09:45	1571343633	**MMIC Based Active Cold and Hot Loads for Spaceborne Radiometers** Mounika Kare (Space Applications Centre, IN) Piyush Sinha (Space Application Centre, IN) Milind Mahajan (Space Applications Centre, ISRO, IN)
10:00	1571343347	**Sub-Harmonic Mixer Based 183 GHz Front-End for Spaceborne Humidity Sounder** Ravi Khatri (Space Applications Centre, IN) Piyush Sinha (Space Application Centre, IN) Nitesh Sharma (SAC ISRO, IN)
10:15	1571336596	**A Compact AMC-Based High-Gain Low SAR Flexible Antenna for Wearable Applications** Jasmineh Jan (National Institute of Technology Srinagar Hazratbal, IN) Amit Kumar (National Institute of Technology Srinagar, Hazratbal, IN) Najeeb Hakim (National Institute of Technology Srinagar Hazratbal, IN)

Date: 18.12.2026 **Session Title: Track-II: Antennas & Propagation / Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D5-OP-X-CR5

Timing	Paper ID	Paper Title
08:30	1571343461	**A 2-Bit 3D-Printed All-Dielectric Transmitarray for Multimode OAM Beam Generation at 28 GHz** Tiwari Poonam (Indian Institute of Technology Indore, IN) Priyank Mishra (none, IN) Okan Yurduseven (Queen's University Belfast, GB)

08:45	1571336447	**A 3D-Printed Chiral-GRIN Superstrate for Gain Enhancement and Cross-Polarization Reduction of a Circularly Polarized Patch Antenna** Nilanjan Dutta (University of Calcutta, IN) Shrabani Mukherjee (University of Calcutta, IN) Kaushik Mandal (University of Calcutta, IN)
09:00	1571335939	**An 8 × 8 Circularly Polarized X-Band Cross-Slot Microstrip Patch Array Using a Sequential Rotation Feed Network** Tharun Madasu (Vardhaman College of Engineering, IN) Dovari Nagaraju (DRDO, IN) Yogesh Verma (Research Center Imarat, IN)
09:15	1571321910	**Compact Circularly Polarized Terahertz Patch Antenna Using an Asymmetrically Slotted Circular Radiator** Somesh Kumar (ABV IIITM Gwalior India, IN) Yadvendra Dwivedi (ABV-IIITM Gwalior, IN) Aditya Chouhan (Acropolis Institute of Technology and Research Indore, IN)
09:30	1571336586	**GNU Radio-Based Real-Time Underwater RF Communication with 3D Printed Radome-Enclosed Patch Antennas** Neethu M (Indian Institute of Technology Palakkad, IN) Jobin Francis (Indian Institute of Technology Palakkad, IN) Sukomal Dey (Indian Institute of Technology Palakkad, IN)
09:45	1571345963	**ML Optimized Microstrip Patch Antenna for Circularly Polarized Profile Using DGS and Superstrate** Shardul Desai (Ramdeobaba University, IN) Aalok Rao (Ramdeobaba University, IN) Ankita Harkare (Shri Ramdeobaba College of Engineering and Management, Nagpur, IN) Himanshu Shukla (Symbiosis Institute of Business Management, IN)
10:00	1571336507	**Spatially Scaled High Refractive Index Metasurface for Gain Enhancement of Circularly Polarized Patch Antenna** Sreejita Samanta (University of Calcutta, IN) Nilanjan Dutta (University of Calcutta, IN) Kaushik Mandal (University of Calcutta, IN)
10:15	1571319932	**Analysis of Unit Cell Geometries in the Metamaterial Used for Wireless Power Transfer** Ashwini Rathod (Tennessee Technological University, US) Satish Mahajan (Tennessee Technological University, US)

Date: 18.12.2026 **Session Title: Track-II: Antennas & Propagation / Track-IV: THz, Photonics & Quantum Technologies**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D5-OP-X-CR6

Timing	Paper ID	Paper Title
08:30	1571343431	**A 550-nm V2CTx-Loaded Hybrid Split-Ring Decoupler for Compact X-Band MIMO Patches** Yagna Deepak Dhulipala (BITS Pilani, IN) Dinesh Rano (Birla Institute of Technology and Science, Pilani, Rajasthan, IN) Subhradeep Chakraborty (Central Electronics Engineering Research Institute, Pilani, IN)
08:45	1571336049	**A Compact and High Gain ESPAR Antenna with Compensated PIN-Diode Switching for 360° Beam Steering** Abhishek Kumar (Indian institute Of Technology, Kharagpur, IN) Ankita Biswas (Indian Institute Of Technology, Kharagpur, IN) Mrinal Mandal (Indian Institute of Technology, Kharagpur, IN)
09:00	1571343574	**A High-Gain Flexible PET Patch Antenna with Optimized Foam Suspension for 2.45 GHz ISM Applications** Sheetal Yadav (University of Delhi, IN) Sujoy Paul (IIT Delhi, IN) Dhiman Mallick (IIT Delhi, IN)
09:15	1571335730	**A PIN Diode-Based Frequency Reconfigurable Antenna for ISM/WLAN/Sub-6 GHz Wireless Communication** Rajashree Priyadarshini (International Institute of Information Technology, Bhubaneswar, IN) Sanjeev Mishra (IIIT Bhubaneswar, IN) Surya Prakash Singh (IIIT Bhubaneswar, IN)
09:30	1571299801	**Design and Validation of a Compact Hybrid Meander-Line Antenna for 5.8 GHz ISM Band Applications** Satish Thakur (Visvesvaraya National Institute of Technology, Nagpur, IN) Yogesh Solunke (VNIT NAGPUR, IN) Ashwin Kothari (VNIT NAgpur, IN)
09:45	1571327141	**Sierpinski Carpet Fractal Nano-Antenna for THz Applications** Poonam Namdeo (University of Delhi, IN) Yachika Sood (University of Delhi, IN) Mridula Gupta (Semiconductor Device Research Laboratory, IN)
10:00	1571345709	**Tri-Band Circularly Polarized Antenna for WiMAX, ISM, and X-Band Applications** Molabanti Lakshmi (VIT-AP University, IN) Debanjali Sarkar (VIT-AP University, IN)
10:15	1571336770	**A CNC-Compatible Wideband Waveguide Hybrid Coupler for Sub-Terahertz Space Applications** Dhruba Das (SAMEER, IN) Soumojit Ghosh (IIT (ISM) Dhanbad, IN) Satyajit Chakrabarti (SAMEER Kolkata, IN)

Date: 18.12.2026 **Session Title: Track-II: Antennas & Propagation / Track-V: 5G/6G Research and Beyond**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D5-OP-X-CR15

Timing	Paper ID	Paper Title
08:30	1571320082	**Design and Comparative Analysis at 28GHz, 2×2 and 4×4 Corporate-Fed Microstrip Patch Antenna for 5G mmWave Applications** Arnab Goswami (Agnel Charities Father Conceicao Rodrigues Institute of Technology, IN) Kush Gaikwad (Agnel Charities Father Conceicao Rodrigues Institute of Technology, IN) Arya Godase (Agnel Charities Father Conceicao Rodrigues Institute of Technology, IN) Sreedevi Nair (University of Mumbai, IN)
08:45	1571320044	**Design and Development of a Compact Three-Layer Antenna Fed by an Open-Stub Miniaturized 3-dB Branch-Line Coupler for Wireless Applications** Manshree Mishra (Indian Institute of Technology, Guwahati, IN) Ashwini Sawant (Indian Institute of Technology Guwahati, IN)
09:00	1571336577	**Design and Development of a Ka-Band Dual Linearly Polarized Feed System for Compact Antenna Test Range** Akula Ramu (ISRO, IN) Rohit Nandwani (SAC, IN) Ramesh Gupta (Space Applications Centre ISRO, IN) Sanjeev Kulshrestha (Space Application Centre, ISRO, IN)
09:15	1571336101	**Design and Development of a Tri-Band Antenna for 5G, WiMAX, and WLAN Applications** Sribas Srichandan (Shiv Nadar Institution of Eminence Deemed to be University, Delhi NCR, IN) Sampurna Dhara (Shiv Nadar Institution of Eminence Deemed to be University, Delhi NCR, IN) Madhur Upadhayay (Shiv Nadar Institution of Eminence Deemed to Be University, IN)
09:30	1571333556	**Design and Development of Antenna Sensors for Detection of Relative Permittivity** Arvind Kumar (Dept of ECE Visvesvaraya National Institute of Technology Nagpur India, IN) Abhijit Kumar (VNIT, IN) Kishore Bhurchandi (VNIT, IN)
09:45	1571335633	**Design and Development of Vertically Polarized Microstrip Line-Based Beam Switch Antenna** Satya Prakash (Indian Institute of Technology, Kharagpur, IN) Anuradha Gupta (IIT Kharagpur, IN) Mrinal Mandal (Indian Institute of Technology, Kharagpur, IN)
10:00	1571341559	**Noninvasive Surface Current Regulation Technique for Microstrip Antenna Design** Suryatapa Ray (University of Calcutta, IN) Soumojeet Basak (University of Calcutta, IN) Debatosh Guha (University of Calcutta, IN)
10:15	1571346206	**1-Bit Passive Metasurface for Anomalous Reflection in RIS Applications** Urvashi Singh (Indian Institute of Technology (IIT) Delhi, IN) Ananjan Basu (Indian Institute of Technology Delhi India, IN) Mahesh Abegaonkar (IIT Delhi, IN)

Date: 18.12.2026 **Session Title: Track-II: Antennas & Propagation / Track-VI: Measurement Techniques**
Timing: 8:30 to 10:30 **Session Chair:**
Session Code: MAP26-D5-OP-X-CR16

Timing	Paper ID	Paper Title
08:30	1571336298	**A Compact Ground Plane Modified Patch Antenna with Bidirectional Radiation and Enhanced Gain** Shabina Mol A (Amrita Vishwa Vidyapeetham, IN) Aiswarya S (Center for Wireless Networks & Applications, IN) Sreedevi Menon (Amrita Vishwa Vidyapeetham, IN)

08:45	1571343395	**A Wide Band Double Ridge Horn Antenna with Enhanced Gain Using Dielectric Lens** Aishwarya Soman (Shri Ramdeobaba College of Engineering and Management, IN) Ankita Harkare (Shri Ramdeobaba College of Engineering and Management, Nagpur, IN) Ujwal Hiwase (Shri Ramdeobaba College of Engineering and Management, IN) Madhumita Chakravarti (Defence Research and Development Organisation (DRDO), IN)
09:00	1571320100	**Artificial Magnetic Conductor Backed Low-Profile Cavity Slot Antennas with Enhanced Gain** Hemant Kumar (National Institute of Technology Jalandhar, IN) Prashant Mishra (Defence Research and Development Organisation, IN) Pavan Jadi (Defence Research and Development Organisation, IN)
09:15	1571332782	**C-Band Triangular Grid 4×4 Horn Antenna Array with Radome for High EIRP Applications** Atmakuru Nagaraju (DRDO, IN) Talluri Venkateswara Rao (DRDO, IN) Sarala V (DRDO, IN)
09:30	1571336365	**Design of Extremely Ultra-Wide-Band, Ultra-Compact 10-20 GHz Horn Feed with Single Corrugation** Abhinav Jha (Isro, IN) Puneet Mishra (URSC, IN) Joy Gomes (Isro, IN) Pramod V. B. (UR Rao Satellite Centre, IN)
09:45	1571343922	**Machine Learning Optimization Framework for Wideband Double Ridged Horn Antenna** Ujwal Hiwase (Shri Ramdeobaba College of Engineering and Management, IN) Ankita Harkare (Shri Ramdeobaba College of Engineering and Management, Nagpur, IN) Aishwarya Soman (Shri Ramdeobaba College of Engineering and Management, IN) Madhumita Chakravarti (Defence Research and Development Organisation (DRDO), IN)
10:00	1571336741	**REFLECTORS OR ESA: In View of COTM Applications Using Indian GEO Satellites** Yogesh Karandikar (Tantrayut Telecommunications Pvt Ltd, IN) Mayur Kakde (Tantrayut Telecommunications Pvt Ltd, IN) Shivangi Yadav (Tantrayut Telecommunications Pvt Ltd. Mumbai, IN)
10:15	1571320052	**2D Microwave Imaging of Thermally Reduced Graphene Oxide Paper Electrodes Using a 10 GHz Inverted Single-Post Dielectric Resonator** Lukasz Nowicki (Warsaw University of Technology, PL) Agata Pawlowska (AGH University of Krakow, PL) Adrian Chlanda (Lukasiewicz - Poznan Institute of Technology, PL) Wojciech Wojtasiak (Warsaw University of Technology, PL) Aleksandra Banasiak (Warsaw University of Technology, PL) Stefan Marynowicz (Institute of Fundamental Technological Research, Polish Academy of Sciences,, PL)

Date: 18.12.2026 — **Session Title: Track-II: Antennas & Propagation / Track-VII: Electromagnetics in Biology & Medicine**
Timing: 8:30 to 10:30 — **Session Chair:**
Session Code: MAP26-D5-OP-X-CR17

Timing	Paper ID	Paper Title
08:30	1571335601	**A High Performance and Low SAR MXene Based Flexible Antenna for High Speed Wearable Applications** Yash Khursade (Indian Institute of Information Technology Nagpur, IN) Sankalp Srivastava (Indian Institute of Information Technology, Nagpur, IN) Dipika Sagne (IIIT NAGPUR, IN)
08:45	1571320250	**ASIC-Based Power-Autonomous Wireless MoT for Space Systems** Karthikeyan Laxmi (Indian Space Research Organisation, IN) Deepankar Roy (Udupi Ramachandra Rao Satellite Centre, IN) Selvi R (Indian Space Research Organisation, IN)
09:00	1571343572	**A MIMO Tri-Band Antenna for Multi-Standard Wireless Applications** Rajashree Priyadarshini (International Institute of Information Technology, Bhubaneswar, IN) Sanjeev Mishra (IIIT Bhubaneswar, IN) Surya Prakash Singh (IIIT Bhubaneswar, IN)
09:15	1571320161	**A Reconfigurable 1-Bit Phased Array Antenna for Modern Wireless Communication Systems** Rupali Layak (International Institute of Information Technology, Bhubaneswar, IN) Sanjeev Mishra (IIIT Bhubaneswar, IN)
09:30	1571336729	**AMC-Backed Wideband CPW-Fed Circularly Polarized Antenna for Next-Generation Wireless Applications** Molabanti Lakshmi (VIT-AP University, IN) Debanjali Sarkar (VIT-AP University, IN) Partha Shome (SR University, Warangal, IN)
09:45	1571343405	**Design of a Reconfigurable Microfluidic Channel-Based Fluid-Metal Antenna for Next-Generation Communication Systems** Radha Tomar (Manipal University Jaipur, IN) Dinesh Yadav (Manipal University Jaipur, IN) Shobit Agarwal (University of Naples Federico II, IT)
10:00	1571343253	**Effects of Nearby Metallic Scatterer on the Performance of Full-Duplex Antennas-Based Wireless Link** Atli Lemma Gebretsadik (Indian Institute of Science, IN) Jogesh Dash (National Institute of Technology Rourkela, IN) Debdeep Sarkar (Indian Institute of Science, IN)
10:15	1571336647	**Compact One-Port Reflection-Based Differential SIW Cavity Resonator RF Biosensor for Glucose Detection in Blood Serum** Prakrati Azad (Uppsala University, SE) Pramod Rangaiah (Uppsala University, SE) Bappaditya Mandal (Uppsala University, SE) Robin Augustine (Uppsala University, SE)

Date: 18.12.2026 — **Session Title: YP Industry Connect and Entrepreneurship**
Timing: 10:00 to 1:00 — Talk I - Journey of an Entrepreneur: from Lab to startup/industry pathways by Sahil Chawla
Session Code: MAP26-D5-YP-CHall — Talk II - Startup, Incubation, and Entrepreneurship
Discussion and One-on-One Interaction with Industry Experts

TEA BREAK (10:30 to 11:00)

Date: 18.12.2026 — **Session Title: Track-II: Antennas & Propagation / Track-IX: Wireless Power Transfer and Energy Harvesting**
Timing: 11:00 to 13:00 — **Session Chair:**
Session Code: MAP26-D5-OP-XI-CR1

Timing	Paper ID	Paper Title
11:00	1571346281	**A High-Gain and High-Isolation in-Band Full-Duplex Antenna for V2V Communication** Adyasha Choudhury (VIT-AP University, IN) Lavanya Shukla (VIT-AP University, IN) Gagan Roy (VIT-AP University, IN)
11:15	1571349511	**A Rigid-Coax-Fed 433-MHz High-Gain Antenna for Bluetooth-Enabled Wireless Systems** Aashima Jajoria (Indian Institute of Technology, Kharagpur, IN) Ankita Biswas (Indian Institute Of Technology, Kharagpur, IN) Mrinal Mandal (Indian Institute of Technology, Kharagpur, IN)
11:30	1571320171	**A Wideband Full Duplex Antenna Using Inductance-Based Isolation Technique** Sunil Kumar (National Institute of Technology Hamirpur, IN) Saurabh Kumar (National Institute of Technology, Hamirpur, IN) Chandra Shekhar Prasad (National Institute of Technology Hamirpur, IN)
11:45	1571336718	**A Wideband Magneto-Electric Dipole Antenna with Dielectric Filter for High-Isolation in-Band Full Duplex Applications** Shatish Kumar Gautam (Indian Institute of Technology Bhilai, IN) Aditya Singh (Indian Institute of Technology Bhilai, IN)
12:00	1571328229	**High Gain Wideband Tapered Slot Antenna for Wireless Communication** Nidhi Tewari (JIIT Noida, IN) Sameer Monga (Jaypee Institute of Information Technology, Noida, IN) Shweta Srivastava (Jaypee Institute of Information and Technology, IN)
12:15	1571336608	**High-Gain Wideband Suspended Equilateral Triangular Patch Antenna with a Capacitive Feed** Shabana Anjum (Delhi Technological University, IN) Priyanka Jain (Delhi Technological University, IN)
12:30	1571346264	**High-Gain Wideband Textile Circularly Polarized Antenna with Holographic Metasurface** Prashant Singh (University of Delhi South Campus, IN) Ankita Borah (University of Delhi South Campus, IN) Bhanu Pratap Singh (University of Delhi, IN)

12:45	1571336456	**A Dual-Band Rectifier Using Double-Stub Matching for Bluetooth and WiMax Bands RFEH/MPT Applications** Sasmita Nayak (Iiit Bhubaneswar, IN) Ankit Kumar Muduli (International Institute of Information Technology, Bhubaneswar, IN) Sanjeev Mishra (IIIT Bhubaneswar, IN)

Date: 18.12.2026 **Session Title: Track-II: Antennas & Propagation / Track-X: Emerging Technologies and Applications**
Timing: 11:00 to 13:00 **Session Chair:**
Session Code: MAP26-D5-OP-XI-CR2

Timing	Paper ID	Paper Title
11:00	1571335996	**Beam Pointing Error Reduction and Beam Squint Analysis in Phased Arrays for Radar Applications** Vishwajithu Wagle (Bharat Electronics Limited, IN) Mohit Grover (Bharat Electronics Limited, IN) Saravanan S (Bharat Electronics Limited, IN)
11:15	1571343509	**Dual-Beam Synthesis in Planar Phased Arrays Using Evolutionary Optimization and GPU-Accelerated Computation** Ritika Chouksey (Shri Ramdeobaba College of Engineering and Management, IN) Ankita Harkare (Shri Ramdeobaba College of Engineering and Management, Nagpur, IN) Mahesh Abegaonkar (IIT Delhi, IN)
11:30	1571337682	**Effective and Validated Technique for Transmit and Receive Pattern Measurement for Active Phased Array Radar** Taniza Roy (Sc F, IN) Abhinandan Sarkar (Government Agency, IN) Jayabrata C (LRDE, DRDO, IN) Suchith Rajagopal (Defence R and D Organization, IN)
11:45	1571336583	**Fast and Accurate Electromagnetic Simulation of an Electrically Large Lens-Based Antenna Arrays Using Symmetry Boundary Conditions** Mohith Raate (R V College of Engineering, IN) Ashutosh Kedar (Scientist G, IN) A Mahesh (RV College of Engineering, IN)
12:00	1571346226	**Genetic Algorithm-Based Taylor Tapering for SLL Reduction in a Nonuniform 4 × 4 Planar Array** Dharanitharan Rs (Amrita Vishwa Vidyapeetham Coimbatore, IN) Allipuram Varun (Amrita Vishwa Vidyapeetham Coimbatore, IN) P Dharanidhar (Amrita Vishwa Vidyapeetham Coimbatore, IN)
12:15	1571343535	**Multi-Harmonic Monopulse Pattern Synthesis for Radar Using Time-Modulated Arrays with Bipolar Pulse Sequence** Shrabani Sarkar (National Institute of Technology Durgapur, IN) Sujit Mandal (National Institute of Technology, Durgapur, IN)
12:30	1571343355	**Pulse Width Modulated Frequency Diverse Timed Arrays for Independent Harmonic Range Angle Beamforming** Kathu Sudevan (IIST, IN) Chinmoy Saha (Indian Institute of Space Science and Technology, IN)

Date: 18.12.2026 **Session Title: Track-II: Antennas & Propagation**
Timing: 11:00 to 13:00 **Session Chair:**
Session Code: MAP26-D5-OP-XI-CR3

Timing	Paper ID	Paper Title
11:00	1571329946	**Challenges in Sensors Integration with Real Time Embedded Hardware for a Long Range Radar on a Floating Test Bed** Abhinandan Sarkar (Government Agency, IN) Shreeshail In (Scientist E, IN) Aarti Vimal (Scientist, NG) Sheik M (LRDE, IN)
11:15	1571336584	**Cognitive Eye in the Sky: A Paradigm Shift in Strategic Airborne Surveillance for Battlespace Dominance** Jawed Qumar (Indian Institute of Technology Guwahati, IN) Christopher S (IITM, IN) A Singh (Centre for Airborne Systems, IN)
11:30	1571336531	**CP MIMO Antenna with Machine Learning Approach for Millimeter Wave Application** Nitin Chouhan (Shri G. S. Institute of Technology and Science, Indore, IN) Harshita Kushwah (Shri G. S. Institute of Technology and Science, Indore (M. P.), IN) Amit Naik (DIAT Pune, IN) Leeladhar Malviya (SGSITS, IN)
11:45	1571336368	**Deep Learning-Assisted Design and Optimization of a Modified Circular Microstrip Patch Antenna for 28 GHz Millimeter-Wave 5G Applications** Joseph Cardozo (Don Bosco College of Engineering, Fatorda Goa, IN) Mohini Naik (Don Bosco College of Engineering, IN) Anand Mantri (Bits Pilani, Goa Campus,, IN)
12:00	1571343067	**Design and Optimization of a 2.39 GHz AMC-Backed Microstrip Antenna for Low-SAR Healthcare Applications** Safalya Vijay Mohod (Ramdeobaba University, IN) Ujwal Hiwase (Shri Ramdeobaba College of Engineering and Management, IN) Ankita Harkare (Shri Ramdeobaba College of Engineering and Management, Nagpur, IN)
12:15	1571319387	**Equation Selection and Projection-Residual Formulation for Two-Dimensional Matrices with a Triangular Lattice of Beams** Jiro Hirokawa (Institute of Science Tokyo, JP)
12:30	1571336699	**Localization of Equivalent Edge Currents (EECs) Line Integration for Edge and Corner Diffraction** Maifuz Ali (DSPM IIIT Naya Raipur, IN) Makoto Ando (Tokyo Institute of Technology, JP) Ashwani Kumar (University of Delhi, IN)
12:45	1571336609	**A Pin-Loaded Self-Decoupled Octagonal Patch MIMO Antenna for 5G Applications** Arnav Bansal (Govind Ballabh Pant Institute of Engineering and Technology, IN) Aditi Joshi (IIIT Naya Raipur, IN) Thakur Mahima Nuruti (IIIT Naya Raipur, IN) Sandeep Rana (Govind Ballabh Pant Institute of Engineering and Technology, IN) Shrivishal Tripathi (IIIT Naya Raipur Chhattisgarh, IN)

Date: 18.12.2026 **Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces / Track-IV: THz, Photonics & Quantum Technologies**
Timing: 11:00 to 13:00 **Session Chair:**
Session Code: MAP26-D5-OP-XI-CR4

Timing	Paper ID	Paper Title
11:00	1571336723	**A 3-D Printed Circularly Polarized Dielectric Holographic Metasurface Based Antenna Using Coax-Fed Monopole** Saurabh Kichouliya (Indian Institute of Science, Bengaluru, IN) Debdeep Sarkar (Indian Institute of Science, IN)
11:15	1571336518	**A Broadband Ground-Free 3D-Printed All-Dielectric Microwave Absorber Using Concentric Water-Based Resonators** Shrabani Mukherjee (University of Calcutta, IN) Nilanjan Dutta (University of Calcutta, IN) Kaushik Mandal (University of Calcutta, IN)
11:30	1571336703	**Broadband Dielectric Characterisation of Stoichiometrically Tuned Epoxy-DDM Polymer Systems for Future Microwave Applications** Devashree Panchal (Gujarat University, IN) Pankaj Kumar (Dhirubhai Ambani University, IN) V.A. Rana (Gujrat University, IN)
11:45	1571343266	**Conformalized Quantile Regression for Distribution-Free Uncertainty Quantification in Microwave-Based Permittivity Sensing** Vishal Balasubramanian (University of British Columbia, CA) Manickavelu Palanivelan (Anna University, IN)
12:00	1571320216	**Efficient Estimation of Soil Moisture Content Using Bi-Static Ground Penetrating Radar** Nekkalapu Harichand (Amrita Vishwa Vidyapeetham, Bengaluru, IN) Pasuluru Sanath Darahas (Amrita Vishwa Vidyapeetam, Bengaluru, IN) B Sathwik (Amrita Vishwa Vidyapetham, Bengaluru, IN)
12:15	1571332746	**Platinum-Based Printed Reflective Surface for Microwave Beam Steering in Harsh-Environments** Chandresh Dhote (Visvesvaraya National Institute of Technology Nagpur, IN) Praveen Pawar (VNIT Nagpur, IN) Anamika Singh (Visvesvaraya National Institute of Technology, IN)
12:30	1571320128	**Reflectarray-Assisted 5G NR for NLoS Coverage: A Practical Testbed for Experimental Evaluation** Emani Anjana (Centre for Development of Telematics, IN) Adarsh Nayak (Centre for Development of Telematics, IN) Amit Karna (Centre for Development of Telematics, IN)
12:45	1571336797	**Design and Performance Analysis of a Reconfigurable Graphene-Based Two-Element Patch Antenna Array for Terahertz Communications** Govind Kumar Pandey (Dayananda Sagar University, IN) Pawan Kumar (IIIT Bhopal, IN) Ankita Thakkar (University of Nevada, Reno, US)

Date:	**18.12.2026**	**Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces / Track-VI: Measurement Techniques**
Timing:	**11:00 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D5-OP-XI-CR5**	

Timing	Paper ID	Paper Title
11:00	1571349460	**A Compact Metasurface Absorber Sensor with Reconfigurable Microfluidic and Slab Interfaces for Permittivity Measurement of Liquid and Solid Materials** Gobinda Sen (Institute of Engineering & Management, Kolkata, West Bengal, IN) Soham Karak (Institute of Engineering & Management, Kolkata, IN) Supratim Mondal (Institute of Engineering & Management, Kolkata, IN)
11:15	1571336743	**Compact Broadband Polarization-Insensitive VO2-Based Terahertz Metamaterial Absorber with Thermally Tunable Absorption** Vishwajeet Sharan (Indian Institute of Technology Bhilai, IN) Shatish Kumar Gautam (Indian Institute of Technology Bhilai, IN) Aditya Singh (Indian Institute of Technology Bhilai, IN)
11:30	1571339543	**Compact Terahertz Metamaterial Absorber for Refractive Index Sensing of Ethanol-Gasoline Blends** Abhishek Karwa (BITS, Pilani, IN) Ashish Verma (School of Engineering and Technology, DIT University, Dehradun, IN) Abhishek Joshi (Dolcera Information Technology Services (P) Ltd, IN)
11:45	1571336087	**Hexaband Terahertz Cross-Polarization Converter-Enabled Refractive Index Sensor** Sethu Veerendra Malireddi (Malaviya National Institute of Technology Jaipur, IN) Toufeeq Ahmed (Malaviya National Institute of Technology, Jaipur, IN) Vikram Maurya (Malaviya National Institute of Technology, Jaipur, IN)
12:00	1571327134	**Polarization-Insensitive Terahertz Metamaterial Absorber-Based Refractive Index Sensor for Basal Cell Carcinoma Detection** Priyanshi Mantri (Indian Institute of Information Technology and Management - Gwalior, IN) Pankaj Srivastava (, XX) Pinku Ranjan (IIITM Gwalior, IN)
12:15	1571338260	**Wideband, Polarization-Independent, Angle-Insensitive Metamaterial Absorber for THz Wireless Applications** Rahul Mondal (Amrita Vishwa Vidyapeetham, Coimbatore, IN)
12:30	1571343741	**Wideband, Polarization-Insensitive Frequency Selective Rasorber with in-Band Transmission Response** Hemen Chamuah (Tezpur University, IN) Nidhi Bhattacharyya (Tezpur University, IN)
12:45	1571318320	**A Span-Based Sampling-Period Estimator for Eliminating Timestamp Quantization Bias in FMCW Radar Measurements** Shyam Sundar Jena (Bhabha Atomic Research Centre, IN) Sandip Shrotriya (Bhabha Atomic Reseach Centre, Mumbai, IN) Manjiri Pande (Bhabha Atomic Research Centre, IN)

Date:	**18.12.2026**	**Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces**
Timing:	**11:00 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D5-OP-XI-CR6**	

Timing	Paper ID	Paper Title
11:00	1571319984	**A DRA-Fed Surface-Mounted Short Horn Antenna with a near-Field Phase-Correcting Metasurface** Purna Samal (University of Technology Sydney, AU) Maira Nabeel (University of Technology Sydney, AU) Karu Esselle (University of Technology Sydney, AU)
11:15	1571336340	**A Hybrid Multilayer Absorber with Isolated Quarter-Wave Correction for Ultra-Broadband Absorption** Suman Sharma (Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, IN) Mahesh Abegaonkar (IIT Delhi, IN)
11:30	1571321369	**An Angularly Stable, Dual-Polarized FSR Supporting Broadband Absorption and Dual-Band Transmission** Debojyoti Chattapadhyay (National Institute of Technology Meghalaya, IN) Abhishek Sarkhel (National Institute of Technology, IN) Sunanda Mukhopadhyay (NITM, IN)
11:45	1571336789	**Design Evolution of a 2-Bit Reconfigurable Reflecting Surface to Reduce Symmetrical Quantization Lobe** Vaibhav (Indian Institute of Technology Bhubaneswar, IN) Debalina Ghosh (IIT Bhubaneswar, IN) Sankarsan Padhy (Scientist F, Proof and Experimental Establishment, Chandipur, Odisha, IN)
12:00	1571346068	**Face- and Angle-Dependent RCS Characterization of an X-Band Microwave Network Cloak on Square-Tube Geometry** Aanchal Rani (Government College of Engineering and Technology Jammu, IN) Riya Malia (Indian Institute of Technology Jammu, IN) Archana Rajput (Indian Institute of Technology Jammu, IN)
12:15	1571336716	**Multilayer Metasurface Absorber Based on Dual Ring and Rectangular Split Ring Resonators for mmWave Applications** Sakshi Sharma (Indian Institute of Technology, Tirupati, IN) Puppala Purna Phani Chaitanya (Indian Institutes of Technology, Tirupati, IN) Sai Haranadh Akkapanthula (IIT Tirupati, IN)
12:30	1571320074	**Reconfigurable Metasurface for Multiband Linear-to-Cross and Linear-to-Circular Polarization Conversion** Habanaibok Suting (National Institute of Technology Meghalaya, IN) Abhishek Sarkhel (National Institute of Technology, IN) Prabir Saha (National Institute of Technology Meghalaya, IN)
12:45	1571320061	**Data-Driven Parasitic Modeling of Automotive Grade Capacitors for EMI/EMC Design** Anand Upadhyaya (Robert Bosch GmbH, IN) Kaushik Patra (Robert Bosch Engineering & Business Solution, IN) Joydeep Pal (Bosch Global Software Technologies, IN) Bibhu Nayak (Graz University of Technology, AT)

Date:	**18.12.2026**	**Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces / Track-IX: Wireless Power Transfer and Energy Harvesting**
Timing:	**11:00 to 13:00**	**Session Chair:**
Session Code:	**MAP26-D5-OP-XI-CR15**	

Timing	Paper ID	Paper Title
11:00	1571343396	**A Polarization-Insensitive Angularly Stable Time Modulated FSS for Wideband Radar Spoofing** Soumendu Ghosh (Indian Institute of Technology Kanpur, IN) Baisakhi Bandyopadhyay (Indian Institute of Technology Kanpur, IN) Anuj Shukla (Defence Laboratory Jodhpur, IN)
11:15	1571348120	**A Polarization-Insensitive Multi-Octave Resistive Metasurface Absorber for Microwave Stealth Application** Priyanka (IIT Bomaby, IN) Anu Kumar Tiwary (Indian Institute of Technology Bombay, IN) Jayanta Mukherjee (Indian Institute of Technology Bombay, IN)
11:30	1571343452	**A Wideband Transmitarray for High-Gain Sub-6 GHz 5G Applications** Shaurya Parmar (Manipal University Jaipur, IN) Santosh Prasad (Indian Institute of Technology Patna, IN) Akhilesh Kumar (Indian Institute of Technology, Patna, IN)
11:45	1571336720	**An Additively Manufactured Polarization Insensitive Broadband Absorber for S, C and X-Band Applications** Santosh Prasad (Indian Institute of Technology Patna, IN) Bhukya Prem (Indian Institute of Technology Patna, IN) Akhilesh Kumar (Indian Institute of Technology, Patna, IN)
12:00	1571345691	**Dual Band Electromagnetic Absorber for Ku, K and Ka Band Radar and 5G Systems** Avinash Suryawanshi (Indian Institute of Information Technology Nagpur, IN) Vikas Rai (Indian Institute of Information Technology, Nagpur, IN) Paritosh Peshwe (Indian Institute of Information Technology Nagpur, IN)
12:15	1571343109	**Resistive Loaded Polarization-Insensitive Electromagnetic Absorber for C and X Bands Applications** Shrey Sandiman (Aeronautical Development Establishment, DRDO, IN) Ritik Arora (Guru Ghasidas Vishwavidyalaya (A central University), IN) Vijay Sutrakar (ADE, DRDO, IN) Juin Acharjee (STCET, IN)
12:30	1571320123	**VECTOR: A Validation Methodology for Electromagnetic Characterization of Reflect Arrays Using Field Solvers** Challaboyne Yaswanth Venkat Bhagavan (none, IN) Adarsh Nayak (Centre for Development of Telematics, IN) Amit Karna (Centre for Development of Telematics, IN)

12:45	1571345715	**Additive Manufacturing of Reconfigurable Electromagnetic Absorbers for 5G/6G Band Applications** Pranali Hatwar (Indian Institute of Information Technology Nagpur, IN) Harsh Goud (Indian Institute of Information Technology Nagpur, IN) Paritosh Peshwe (Indian Institute of Information Technology Nagpur, IN)

Date: 18.12.2026 **Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces / Track-X: Emerging Technologies and Applications**
Timing: 11:00 to 13:00 **Session Chair:**
Session Code: MAP26-D5-OP-XI-CR16

Timing	Paper ID	Paper Title
11:00	1571341916	**A Single-Layer Koch-Fractal Artificial Magnetic Conductor with Enhanced Angular Resonance Stability** Anoushka Kumari (Indian Institute of Technology (IIT) Delhi, IN) Christophe Fumeaux (University of Queensland, AU) Mahesh Abegaonkar (IIT Delhi, IN)
11:15	1571345956	**A Tunable Terahertz FSA Using Graphene, VO2 and GaAs for Multi-Band Applications** Murakonda Sainath (VRSEC Siddhartha Academy of Higher Education (Deemed to be University), IN) Eduru Lakshmi (National Institute of Technology Tiruchirappalli, IN) Vishnu Priya (National Institute of Technology Tiruchirappalli, IN)
11:30	1571342674	**An Ultra-Thin Multifunctional Single Layer Metasurface Towards Applications in Radome** Pournima Vispute (IIT (BHU) Varanasi, IN) Ravi Kumar (IIT (BHU) Varanasi, IN) Vishnu Mishra (IIT BHU, IN)
11:45	1571349473	**Design of All-Dielectric Transmissive Metasurface Lens for Ka-Band Applications** Nithin Koilkonda (National Institute of Technology Karnataka, IN) Madhusudhan Rangula (National Institute of Technology Karnataka, IN) S Vignesh (National Institute of Technology Karnataka, IN)
12:00	1571338617	**Digitally Reconfigurable 1-Bit Wideband Cross-Polarization Conversion Metasurface for K- and Ka-Band Applications** Malavika Vinod (Indian Institute of Space Science and Technology, IN) Debidas Kundu (Indian Institute of Technology Bombay, IN) Manas Sarkar (ISTRAC, IN)
12:15	1571335259	**Grating-Lobe-Constrained Dichroic Mirror at 45◦ Oblique Incidence for Ka-Band Deep-Space Beam-Waveguide Antennas** Aditya Gupta (ISRO, IN) Nagendra Kumar (URSC Bangalore, IN)
12:30	1571343714	**Physics-Consistent Diagnosis and Self-Healing of Impaired One-Bit Reconfigurable Intelligent Surfaces** Pavan Mohan Neelamraju (Loughborough University, GB) William Whittow (Loughborough University, GB) Aakash Bansal (Loughborough University, GB)
12:45	1571336747	**A Deterministic Agent Architecture for Safe Conversational RF Workflow Execution in Cadence AWR** Suryakanta Mangaraj (Cadence Design Systems, IN)

Date: 18.12.2026 **Session Title: Track-III: Electromagnetic Theory, Metamaterials and Metasurfaces / Track-X: Emerging Technologies and Applications**
Timing: 11:00 to 13:00 **Session Chair:**
Session Code: MAP26-D5-OP-XI-CR17

Timing	Paper ID	Paper Title
11:00	1571343543	**Bistatic Radar Cross-Section Reduction Using L-Shaped Polarization Conversion Metasurfaces for Stealth-Oriented Applications** Somnath Maity (National Institute of Technology Jamshedpur, IN) Krunal Patel (Government Engineeing College Bhuj, IN) Dheeraj Pandey (Koneru Lakshmaiah Education Foundation Vijaywada, IN)
11:15	1571336336	**Design of an Ultra-Light, Thin, and Flexible CNF Nanocomposite Structure for High-Efficiency Absorption-Dominant EM Shielding** Jitendra Tahalyani (VIT Chennai, IN) Mohammad Jaleel Akhtar (Indian Institute of Technology Kanpur, IN)
11:30	1571336660	**Impact of Structural Delamination on the Radar Cross Section Performance of Radar Absorbing Structure** Attada Phanendra Kumar (Indian Institute of Science, Bengaluru, IN) Vijay Sutrakar (ADE, DRDO, IN)
11:45	1571346090	**On the Performance of mm-Wave MIMO Radar Antenna Integrated with Conformal FSS Radome** Debaprasad Barad (Astra Microwave Products Limited, IN) Debdeep Sarkar (Indian Institute of Science, IN) Anil Singh (LRDE, IN)
12:00	1571343061	**Performance Trade-Offs Between Full-Aperture Multiplexing and Quad-Sectorized Modulation Schemes for Modulated Surfaces** Thota Balaji (Indian Institute of Space Science and Technology, IN) Swarnadipto Ghosh (University of Ghent, BE) Subhadrita Ghosh (Queen's University Belfast, GB)
12:15	1571336448	**Thin Wide Band Polarization Independent Radar Absorbers Using Embedded Passive Resistors** Madhu Ramkumar (Ministry of Defence, IN) Chandrika Sudhendra (ADE, IN) Prasobh Martin (Aeronautical Development Agency, IN)
12:30	1571343283	**Ultrathin Multiband Metasurface and Its Application for Concurrent Reduction of Mutual Coupling and Radar Cross Section in MIMO Antennas** Shyam Sundar Pati (IIT Palakkad, IN) Soumik Dey (Indian Institute of Science (IISc) Bengaluru, IN)
12:45	1571336674	**A Low-Cost 3D-Printed Septum-Polarizer Feed Horn for X-Band Satellite Ground Stations** Nitish K S (BMS Institute of Technology & Management, IN) Sri Srujan Hari T (BMS Institute of Technology and Management, IN) Anitha Vaddinuri (BMS Institute of Technology & Management, Avalahalli, Doddaballapur Main Road, Yelahanka, IN) Swetha G A (BMS Institute of Technology and Management, IN)

LUNCH BREAK (13:00 to 14:00)

Date: 18.12.2026 **Session Title: Track-IV: THz, Photonics & Quantum Technologies / Track-II: Antennas & Propagation**
Timing: 14:00 to 16:00 **Session Chair:**
Session Code: MAP26-D5-OP-XII-CR1

Timing	Paper ID	Paper Title
14:00	1571336714	**A Dual-Band Circularly Polarized Metasurface for THz Applications** Karan Gupta (Indian Institute of Technology, BHU Varanasi, IN) Shailendra Sinha (Indian Institute of Technology (BHU) Varanasi, IN) Ujjwal Tripathi (IIT BHU, IN)
14:15	1571343306	**A Monolithic All-Dielectric Truncated-Cone Metasurface Absorber for Broadband Sub-THz Applications** Sambit Ghosh (University of Alberta, CA) Sougata Chatterjee (TIFR, IN) Abhirup Datta (Indian Institute of Technology Indore, IN)
14:30	1571334497	**DC Analysis of Black Phosphorous DDR IMPATT Diode for THz Applications** Sherlin Shobhita (IIIT Nagpur, IN) Rajanish Singh (IIIT Nagpur, IN) Girish Ghivela (IIIT Nagpur, IN)
14:45	1571336773	**Design of a J-Band Rat-Race Coupler for Upper Band-Edge Operation in Standard Rectangular Waveguide** Dhruba Das (SAMEER, IN) Puja Gorai (SAMEER, IN) Satyajit Chakrabarti (SAMEER Kolkata, IN)
15:00	1571320151	**Graphene Based Sub-THz FSS with Chemical Potential Optimization and Machine Learning Assisted Scattering Predictions** Tanisha (Vellore Institute of Technology, IN) Jiya Sugla (Vellore Institute of Technology, IN) Aaditya Nanda (Vellore Institute of Technology, IN)
15:15	1571346243	**Photonic Based Frequency Independent Phase Shifter for Beam Steering Applications** Meena Dasan (LRDE, DRDO, IN) Vidyamol s (LRDE, IN) Vidyashree Vidya (Sai Vidya Institute of Technology, IN)
15:30	1571343465	**Planar Log-Periodic Sawtooth Antennas for THz Applications: Geometry-To-Frequency Scaling and Design Implications** Rama Satya Sai Durga Prasad Rajana (Indian Institute of Technology (IIT) Delhi, IN) Tanima Lai (Indian Institute of Technology Delhi, IN) Suprovat Ghosh (Indian Institute of Technology Delhi, IN) Samaresh Das (IIT Delhi, IN) Santanu Manna (Indian Institute of Technology Delhi, IN)

Date:	**18.12.2026**	**Session Title: Track-IV: THz, Photonics & Quantum Technologies**
Timing:	**14:00 to 16:00**	**Session Chair:**
Session Code:	**MAP26-D5-OP-XII-CR2**	

Timing	Paper ID	Paper Title
14:00	**Invited Session**	Nagendra Prasad Pathak (Dielectric Guide Technology for Sub-THz/ THz Integrated Circuits & Systems)
14:15	**1571324077**	**ARIMA-Based Predictive Timing Synchronization for Free-Space Optical Communication Systems** Shreyas Jain (DIAT, IN) Appala Venkata Ramana Murthy (Defence Institute of Advanced Technology, IN)
14:30	**1571343407**	**Design and Experimental Validation of Optical BPSK Signal Generation for Communication Applications** Meena Dasan (LRDE, DRDO, IN) Vidyamol s (LRDE, IN) Preenu Prasad (LRDE, IN)
14:45	**1571325807**	**Design and Performance Evaluation of SISO and Equal-Gain Combining SIMO Receivers for Underwater Optical Wireless Communication** Rajesh Arjun Doke (none, IN) Appala Venkata Ramana Murthy (Defence Institute of Advanced Technology, IN)
15:00	**1571345275**	**Jitter Generation and Compensation Using Piecewise Polynomials for FSO Communication Systems** Sambuddha Majumder (Indian Space Research Organisation, IN) Abhishek Khanna (Space Applications Centre, IN) Atharva Vibhute (Scientist - SD, IN)
15:15	**1571319940**	**Machine Learning-Based Equalization for DCO-OTFS Free Space Optical Systems Under Gamma-Gamma Turbulence** Ashwin Muthuraman (National Institute of Technology Trichy, IN) Amudha A (National Institute of Technology, Tiruchirappalli, Tamilnadu, IN) D. Sriram Kumar (National Institute of Technology, Tiruchirappalli, IN)
15:30	**1571319156**	**Observability Analysis of Rolling-Shutter Based Optical Camera Communication Systems** Puneet Pandey (BITS Pilani, IN) Sandeep Joshi (Birla Institute of Technology and Science (BITS) Pilani, IN)
15:45	**1571323196**	**Study of Optical Camera Communication for Vehicle-to-Vehicle Networks Under Controlled Vibration** Soumit Banerjee (Defence Institute of Advanced Technology, IN) Appala Venkata Ramana Murthy (Defence Institute of Advanced Technology, IN)

Date:	**18.12.2026**	**Session Title: Track-V: 5G/6G Research and Beyond / Track-VI: Measurement Techniques**
Timing:	**14:00 to 16:00**	**Session Chair:**
Session Code:	**MAP26-D5-OP-XII-CR3**	

Timing	Paper ID	Paper Title
14:00	**Invited Session**	Karun Rawat (Recent Development in RF power amplifier for Wireless Applications: 5G and beyond)
14:15	**1571336566**	**A 1-Bit Reconfigurable Intelligent Surface Using Coupling Patch Matching Through Characteristic Mode Analysis for 6G Beam Steering Application** Sunanda Mukhopadhyay (NITM, IN) Abhishek Sarkhel (National Institute of Technology, IN) Syed Zahidul Rizbi (National Institute of Technology Meghalaya, IN)
14:30	**1571336562**	**A 1-Bit Reconfigurable Intelligent Surface with Improved Angular Stability for 6G Application** Syed Zahidul Rizbi (National Institute of Technology Meghalaya, IN) Sunanda Mukhopadhyay (NITM, IN) Debojyoti Chattapadhyay (National Institute of Technology Meghalaya, IN)
14:45	**1571342714**	**Design of a Dual-Band Shared-Aperture 1-Bit Reconfigurable IRS Unit Cell Using Embedded C-Shaped Resonators** Aman Raj (Indian Institute of Technology Delhi, IN) Ananjan Basu (Indian Institute of Technology Delhi India, IN) Mahesh Abegaonkar (IIT Delhi, IN)
15:00	**1571314294**	**Design of Filtering Antenna for Sub-6 GHz 5G Wireless Communications** Ramanand Sangam (Indian Institute of Engineering Science and Technology (IIEST) Shibpur, IN)
15:15	**1571343404**	**Dispersion-Engineered Structure Integrated Dual-Polarized Base Station Radiator with Bandwidth Tailoring** Ramesh Patel (Indian Institute of Technology Tirupati, IN) Ankit Bhattacharjee (HCLTech, IN) Shriyansh Sharma (Indian Institute of Technology Tirupati, IN)
15:30	**1571336519**	**SOR-DPD: Hardware Implemented Sparse Orthogonal Residual DPD Model for Power Amplifier Linearization** Swapnendu Das (National Institute of Technology Meghalaya, IN) Pubalee Podder (National Institute of Technology Meghalaya, IN) Prabir Saha (National Institute of Technology Meghalaya, IN)
15:45	**1571349024**	**UAV-Aided RIS for Directional Beam Steering: Design and Experimental Evaluation** Sourosmita Das (Indian Institute of Technology, Indore, IN) Saptarshi Ghosh (Indian Institute of Technology Indore, IN) Swaminathan R (Indian Institute of Technology Indore, IN)

Date:	**18.12.2026**	**Session Title: Track-V: 5G/6G Research and Beyond / Track-VIII: Electromagnetic Environment and Interference**
Timing:	**14:00 to 16:00**	**Session Chair:**
Session Code:	**MAP26-D5-OP-XII-CR4**	

Timing	Paper ID	Paper Title
14:15	**1571334505**	**A Compact Metasurface GRIN Lens Antenna for D-Band Communication System** Shreya Negi (Academy of Scientific and Innovative Research (AcSIR), IN) Kanupriya (Academy of Scientific and Innovative Research (AcSIR), IN) Dhairya Arya (CSIR-CSIO, IN)
14:30	**1571319944**	**CAP: Compact Airborne Communication Payloads for Rapidly Deployable Wireless Networks** Dharshne S (C-DoT, IN) Amit Karna (Centre for Development of Telematics, IN)
14:45	**1571343239**	**DGS-Based Isolation Enhancement and Diversity Improvement of a Compact MIMO Antenna for 5G mmWave n258 Applications** Vamshi Nimmagadda (VIT-AP University, amaravathi, IN) Venkata Rajasekhar Nuthakki (VIT-AP-AP, IN)
15:00	**1571336951**	**DRL-Based Link Selection for Hybrid FSO/THz Networks Under Imperfect CSI** Shounak Banerjee (IIIT Sri City, IN) Lokendra Chouhan (IIIT Surat, IN) Piyush Joshi (IIIT Sri City, IN)
15:15	**1571345657**	**Low-Observable High-Gain Serrated Leaf 1x5 MIMO Array for Secure Airborne 5G/6G Networks** Vinay Bhavi (Sai Vidya Institute of Technology, IN) Venkatesha M (Sai Vidya Institute of Technology, IN) Divya T M (Sai Vidya Institute of Technology, IN) Preetham H (Sai Vidya Institute of Technology, IN)
15:30	**1571342972**	**Optimization of Sparsity for Scanning Performance of Phased Arrays** Ayushi (Indian Institute of Science, Bengaluru, IN) K Vinoy (IISc, IN)
15:45	**1571348462**	**Performance Analysis of Phase Quantized IRS-Assisted Wireless Communication over Weibull Fading Channels in Impulsive Noise** Priyank Mishra (none, IN) Tiwari Poonam (Indian Institute of Technology Indore, IN) Deepak (Indian Institute of Technology Indore, IN)

Date:	**18.12.2026**	**Session Title: Track-V: 5G/6G Research and Beyond / Track-IX: Wireless Power Transfer and Energy Harvesting**
Timing:	**14:00 to 16:00**	**Session Chair:**
Session Code:	**MAP26-D5-OP-XII-CR5**	

Timing	Paper ID	Paper Title
14:00	**1571336066**	**Compact SIW Cavity-Backed Antenna with Self-Diplexing for Sub-6 GHz Applications** Shaik Vali (SR University, IN) Pendli Pradeep (Sreenidhi Institute of Science and Technology, IN) Mukkara Kumar (SRM University AP, IN)

14:15	1571319787	**Energy-Efficient Particle Swarm Optimization and Kalman Filter-Optimized Hybrid Precoding for mmWave MIMO Systems** Shailesh Kumar Gajanan Prasad Birthariya (Shri. Ramdeobaba College of Engineering & Management Nagpur, IN) Jagdish Kene (Shri Ramdeobaba College of Engineering and Management, IN)
14:30	1571336783	**Factored vs. Centralised Safety Shields in O-RAN Slicing: A Fairness-Cost Trade-off Under Correlated Demand** Rahul Barma (IIIT Naya Raipur, IN) Palak Vastrakar (IIIT Naya Raipur, IN) Punya Paltani (Dr S. P. Mukherjee IIIT, Naya Raipur, IN)
14:45	1571336570	**Hardware-Aware AI-Assisted Hybrid Beamforming Using a 4×4 Butler Matrix and Particle Swarm Optimization for Interference Suppression in 5G/6G Multi-Antenna Systems** Mrigank Jaiswal (Central University of Jammu, IN) Kukkadapu Lakshman (ICOMM Tele Limited, IN) Chilukuri Sulakshana (Vardhaman College of Engineering, IN)
15:00	1571336689	**Metasurface-Superstrate Aperture-Coupled Patch Antenna for 5G FR2 Indoor Communications** Paulami Roy (Synopsys, IN) Tuan Thanh Nguyen (Synopsys, IN) Ishaan Kedar (VIT, IN)
15:15	1571336198	**SIW Guided High-Gain Circular Microstrip Patch Antenna Design for mmWave Applications** Arashdeep Singh (Shru Mata Vaishno Devi University, IN) Kumud Jha (Shri Mata Vaishno Devi University, Jammu and Kashmir, IN) Satish Sharma (San Diego State University, US)
15:30	1571319733	**Wideband Millimeter Wave SIW Antenna for Multiband Communication and Sensing Systems** Arashdeep Singh (Shru Mata Vaishno Devi University, IN) Kumud Jha (Shri Mata Vaishno Devi University, Jammu and Kashmir, IN) Asok De (Delhi Technological University, IN)
15:45	1571343580	**Harmonic Termination Using Split-Ring Resonator for RF-to-DC Conversion Enhancement** Kundan Sahu (Indian Institute of Space Science and Technology, IN) Gopika R (Indian Institute of Space Science & Technology, IN) Chinmoy Saha (Indian Institute of Space Science and Technology, IN)

Date: 18.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 14:30 to 16:00 **Session Chair:**
Session Code: MAP26-D5-OP-XIII-CR15

Timing	Paper ID	Paper Title
14:30	1571331507	**A Hybrid Suspended Air-Cavity RF Planar Spiral Inductor for High Quality Factor and SRF** Shubham Gupta (IIT Bhubaneswar, IN) Debapratim Ghosh (Indian Institute of Technology Bhubaneswar, IN) Sayan Dey (IIT Bhubaneswar, IN)
14:45	1571336017	**A Novel Hexagonal Capacitive Resonator Based Planar Microwave Sensor for Solid Dielectric Characterization** Ramnaresh Pal (IIT Dhanbad, IN) Rachna Prabha (IIT (ISM) DHANBAD, IN) Prashant Varshney (IITISM DHANBAD, IN)
15:00	1571319093	**A Transmission-Line Meta-Structure Exploiting Electromagnetically Induced Absorption for Dielectric Material Sensing** Gobinda Sen (Institute of Engineering & Management, Kolkata, West Bengal, IN) Tapas Chakravarty (Institute of Engineering and Management, UEM, IN)
15:15	1571336576	**Accurate Dielectric Material Characterization Using High-Sensitivity Compact Planar CPW Sensor** Bhanu Pratap Singh (University of Delhi, IN) Ashwani Kumar (University of Delhi, IN) Maifuz Ali (DSPM IIIT Naya Raipur, IN)
15:30	1571319210	**Multi-Sensor Data Fusion for Aerial Target Tracking Using Transformer-Based Association Attention and Self-Supervised Fine-Tuning** Gaurav Sharma (Defence Institute of Advanced Technology, IN) Suthikshn Kumar (DIAT, Deemed University, IN) R Rajesh (CABS, IN)
15:45	1571337884	**Optimal Coupling of Cavity Resonators for High Sensitivity Amplitude-Only Dielectric Sensing** Arunya Paul (Indian Institute of Space Science and Technology, IN) Chinmoy Saha (Indian Institute of Space Science and Technology, IN) Maurizio Bozzi (University of Pavia, IT)

Date: 18.12.2026 **Session Title: Track-I: RF & Microwave Components, Circuits and Systems**
Timing: 14:30 to 16:00 **Session Chair:**
Session Code: MAP26-D5-OP-XIII-CR16

Timing	Paper ID	Paper Title
14:30	1571320295	**A Low-Complexity Two-Layer FR3 True Time Delay Architecture Using Commercial SPDT RF Switches** Reem Alsultan (Florida International University, US) Yinyi Zhao (Florida International University, US) Arjuna Madanayake (Florida International University, US)
14:45	1571319643	**Analysis and Design of a 9.6-GHz Sub-Sampling PLL with Spur Mitigation for Low-Jitter Clock Generation** Madan Kumar Jha (Indian Institute of Technology, Patna, IN) Yatendra Singh (IIT Patna, IN)
15:00	1571319961	**Design and Performance Analysis of a 2.4 GHz Direct-RF Receiver Front End Analog Module** Shaik Vahida (None, IN)
15:15	1571346231	**Design and Performance Analysis of a Broadband Microstrip-to-SIW Transition** Dhupam Koteswari (VIT-AP University, AP, IN) Anil Nayak (VIT AP University, IN) Kambiz Moez (University of Alberta, CA)
15:30	1571346212	**RF and Multiphysics Validation of an Optimized I-Clamp Bistable Lateral RF MEMS Switch for Redundancy Selection** Joslin J (Thiagarajar College of Engineering, IN) K. G. Sujanth Narayan (SASTRA Deemed University, IN) Srikamu C (SASTRA University, IN)
15:45	1571338981	**Tx to Rx Pulse Time Delay to Avoid Oscillations in a Trans-Receiver Module of Pulse Radar** Chakravaram Venkateswara Raju (Bharat Electronics Limited, IN) Siva Kumar R (BEL, IN) Saravanan S (Bharat Electronics Limited, IN)

Date: 18.12.2026 **Session Title: B.Tech, M.Tech and PHD Initiative: Evaluation**
Timing: 14:00 to 16:00 **Session Chair:**
Session Code: MAP26-D5
MR-102, MR-103, MR-104

TEA BREAK (16:00 to 16:30)

Date: 18.12.2026 **Valedictory Function**
Timing: 16:30 to 17:30
Session Code: MAP26-D5-CHall