

## Programme Schedule (IMICPW-2019)

Day -1		Day -2		Day -3	
8:00-9:00	Registration	8:30-9:00	Registration	8:30-9:00	Registration
9:30-10:30	Inauguration	9:00-9:45	Invited Talk-2	09:00-9:45	Invited Talk-5
10:30-11:00	Tea Break	9:45-10:30	Invited Talk-3	9:45-10:30	Invited Talk-6
11:00-11:45	Key note 1*	10:30-10:45	Tea Break	10:30-10:45	Tea Break
11:45-12:30	Key note 2*	10:45-12:30	Technical Session 3	10:45-12:30	Technical Session 6
12:30-14:00	Lunch	12:30-14:00	Lunch	12:30-14:00	Lunch
14:00-14:45	Invited Talk-1	14:00-14:45	Invited Talk-4	14:00-14:45	Invited Talk-7
14:00-16:00	Technical Session 1	14:45-16:15	Technical Session 4	15:00-16:00	Valedictory Function
16:00 - 16:15	Tea Break	16:15-16:30	Tea Break		
16:15 - 18:00	Technical Session 2	16:30-18:30	Technical Session 5		
18:30-20:00	Cultural Program				
20:00-21:30	Banquet Dinner				

## Keynote and Invited Speakers

- ✦ Keynote 1: Prof. Tapan K. Sarkar, Syracuse University, USA
- ✦ Keynote 2: Prof. S K Koul, IIT, Delhi

- ✦ Invited Talk-1:
- ✦ Invited Talk-2 :
- ✦ Invited Talk-3:
- ✦ Invited Talk-4 :
- ✦ Invited Talk-5 :
- ✦ Invited Talk-6 :
- ✦ Invited Talk-7 :

## IMICPW Venue

- ❖ *National Institute of Technology, Tiruchirappalli, ECE Department*

### Day/Session Wise Hall Name

- ❖ **Day 1: Inauguration and Keynote address: Barn Hall;  
Technical Sessions: A-11, A-12, EEE Auditorium  
Invited speakers: A-13**
- ❖ **Day 2: Technical Sessions and invited speakers: A-11, A-12, A-13, EEE Auditorium**
- ❖ **Day 3: Technical Sessions, invited speakers and valedictory function: A-11, A-12, A-13, EEE Auditorium and Barn Hall.**

**Technical Session: 1**

May 22, 2019 14:00-16:00

Hall: EEE Auditorium

Session Chair: Prof D C Pande

ID	Paper Title	Author & Affiliation
1	Compact Circularly Polarized Fractal Patch Antenna using Defected Ground Structure <a href="#">1570524843</a>	Sindhu Kotla, Varanashi Shivani <i>NIT, Andhrapradesh</i>
2	Design of a Two-Port Composite Dielectric Resonator Antenna for UWB MIMO Applications	Debarati Ganguly, Keerthipriya Sathish, Chinmoy Saha and Yahia Antar Royal Military College Canada
3	<i>Design, Development and Parametric Analysis of Dual Polarized Antenna with High Isolation, Low Cross Polarization, High Gain for X- Band Applications</i> <a href="#">1570531783</a>	Vadlamudi Roja <i>IIST, Trivandrum</i>
4	<i>Broadband Circularly Polarized Cylindrical Dielectric Resonator Antenna</i> <a href="#">1570532045</a>	Priya Ranjan Meher, Sanjeev Mishra <i>IIT, Bhubaneswar</i>
5	<i>Gain and Bandwidth Improvement of Circularly Polarized Pentagonal Patch Antenna</i> <a href="#">1570534036</a>	Guthi Srinivas, Vakula D and NVN Sharma <i>NIT, Warangal</i>
6	Omni Directional Circularly Polarized Zeroth Order Antenna using Asymmetric Unit Cell <a href="#">1570536547</a>	Harish Adithya and D. Sriram Kumar NIT, Trichy
7	Tunable Multifunctional Reconfigurable Step Profiled Dielectric Resonator Antenna for Cognitive Radio Applications	Keerthipriya Sathish and Chinmoy Saha Indian Institute of Space Science and Technology, Trivandrum

**Technical Session: 1**

May 22, 2019 14:00-16:00

Hall: A-11

Session Chair:

*Machine learning*

ID	Paper Title	Author & Affiliation
1	A Secured and Authenticated Internet of Things Model using Blockchain Architecture 1570524368	Krishna Prasad Satamraju and Malar Kodi <i>NIT Trichy</i>
2	A Theoretical Implementation: Agriculture-Food Supply Chain Management using Blockchain Technology 1570531572	S Madumidha, P Siva Ranjani, U Vandhana and B Venmuhilan <i>Sri Krishna College of Technology, Coimbatore, India</i>
3	Analysis Of Machine Learning Algorithms For Wi-Fi-based Indoor Positioning System 1570531925	Abishek R, Abishek K R, Hariharan Natesh, Rakesh Vaideeswaran and Sundara Paripooranan <i>National Institute Of Technology Tiruchirappalli, India</i>
4	Novel NFV entities managing scheme for telecom providers using Proof of Concept Blockchain 1570534589	<u>Rathina Vel Sundar</u> , Balakrishnan Rebekka, Malar Kodi and Nagarajan Gunavathi <i>NIT Tiruchirappalli, India</i>

5	Deep Learning Based Image Classification and Abnormalities Analysis of MRI Brain Images 1570535968	Muthu Krishnammal P and Selvakumar Raja S <i>NIT Tiruchirappalli, India, Khakathiya Institute of Science and Technology for Women, India</i>
6	Unique Identity Management Scheme for Distributed NFV Market Place using Ethereum 1570536305	Satish Ganta, Malar Kodi, Balakrishnan Rebekka and Nagarajan Gunavathi <i>National Institute of Techonology, Tiruchirappalli, India</i>
7	Non-linear, time-varying, user-controlled pseudo-random bit generator for application in cryptography 1570531624	Shriya Salian, Pallavi Bhatia and Vishal Satpute <i>Visvesvaraya National Institute of Technology, Nagpur, India</i>

**Technical Session: 1(optical Networks)**

May 22, 2019 14:00-16:00

Hall: A-12

*Session Chair: Prof. G.Thavasi Raja, NIT, Tiruchirappalli*

ID	Paper Title	Author & Affiliation
1.	Physical Layer Impairment Aware Network Routing in Software Defined Optical Networks <a href="#">1570536558</a>	Shrinivas petale, Harshavardhan unnibhavi, Jaising Thangaraj. <i>IIT-ISM Dhanbad</i>
2.	Analysis of Free Space Optical DPSK-SIM Based Communication System over Malaga Distributed Channel with Misalignment Fading <a href="#">1570534395</a>	Vineeth pelliembil, Jagadeesh V K, M C Nathan <i>NIT, Trichy</i>
3.	Ring Topologies with Energy Efficient Scheduling of ONUs in TWDM PON <a href="#">1570532458</a>	Bhargav Ram Rayapati, R Nakkeeran. <i>Pondichery University</i>
4.	Optical Power Distribution and Statistical Analysis of Indoor Visible Light Communication <a href="#">1570535130</a>	<i>Adhithya Kumar, V sudha</i> <i>NIT, Trichy</i>
5.	Performance Analysis of a Visible Light Vehicle- To-Vehicle Wireless Communication System <a href="#">1570531554</a>	Rahul singhal, Vima Gupta <i>BITS, Pilani</i>
6.	Performance Improvement in Fingerprint Feature Extraction Using Minutiae Local Triangle Feature set <a href="#">1570531910</a>	Rajendran Ananda Jothi, Jebakkan Nithya priya, Vellian palanisamy <i>Alagappa University, India</i>

**Technical Session: 2**

May 22, 2019 16:15-18:00

Hall: EEE Auditorium

**Session Chair: Prof S Raghavan**

ID	Paper Title	Author & Affiliation
1	A Novel 3D Miniaturized, Wideband, Dual-Polarized Antenna with High Isolation, Low Cross Polarization for Advanced LTE/5G Base Station Application <i>1570535152</i>	Vadlamudi Roja <i>Indian Institute of Space Science and Technology</i>
2	Antenna array for 5G C band for mobile terminals <a href="#">1570534661</a>	Arun Yadav and Vamsi Palukuru KIET Group of Institution
3	A New Recursively Generated Array geometry for DOA Estimation <a href="#">1570531432</a>	Priyadarshini Raiguru, and R.K. Mishra SOA University, Bhubaneswar
4	A Compact wide band Multi-Stacked patch antenna for UWB applications <a href="#">1570525512</a>	Parthasarathy Ramanujam, P g v Ramesh and Chandrasekar Arumugam St. Josephs College of Engineering
5	Metamaterial Based Quad Band Hexagonal Slot Antenna for Wireless Applications <a href="#">1570536189</a>	Praveena Namanathan <i>NIT, Trichy</i>
6	Analysis of Bending and Human Body Effects on Sleeve-Badge Textile Antenna Performance <a href="#">1570522927</a>	Khandker Shafaet-UzZaman and Mohammad A Matin North <i>South University, Bangladesh</i>
7	Design and Analysis of a Microstrip Antenna Array for High Gain Applications at mm wave frequencies <a href="#">1570531962</a>	Kunooru Bharath, Srujana Vahini Nandigama and Rama Krishna Dasari Osmania University, India

**Technical Session: 2**

May 22, 2019 16:15-18:00

Hall: A-11

**Session Chair: Dr. B. Malarkodi, NIT, Tiruchirappalli**

**Networking #1**

ID	Paper Title	Author & Affiliation
1	Protection of messages using selective encryption based ESI scheme for MANET <i>1570525103</i>	Jebakkan Nithyapriya, Rajendran Anandha Jothi and Vellian Palanisamy Alagappa University, India
2	Maximized Energy Efficiency Based Power Allocation Strategy in Wireless Cooperative Network <i>1570525407</i>	Elishetti Ramakrishna <i>NIT Andhra Pradesh</i>
3	Harvesting Capacity Analysis of IoT Vehicular Mesh Networks using Poisson Cox Point Process <i>1570530146</i>	Govindasamy Ananthi and Thiruvengadam S Jayaraman <i>Thiagarajar College of Engineering, Madurai, India</i>

4	Low cost Received Signal Strength estimator for localization in wireless networks 1570531940	Preeth Raguraman and Ramasundaram Mohan <i>National Institute of Technology, Tiruchirappalli, India</i>
5	A Survey on Network Functions Virtualization for Telecom Paradigm 1570534812	Pitta Vineel Anvith, Nagarajan Gunavathi, Malar Kodi and Balakrishnan Rebekka National Institute of Technology, TRICHY, India
6	Energy Efficient Design of Cooperative communication enabled Magnetic Induction based Non-Conventional Wireless Sensor Networks 1570535112	Chaitanya Sharad Shinde and Vinay Kumar <i>Visvesvaraya National Institute of Technology Nagpur, India</i>

### Technical Session: 2

May 22, 2019 16:15-18:00

Hall: A-12

Session Chair: Prof N V N Sharma

ID	Paper Title	Author & Affiliation
1	Design and Analysis of MEMS Based RF Capacitive Switch for DMTL Phase Shifter <a href="#">1570531143</a>	T. Shanmuganantham <i>Pondicherry Central University</i>
2	Performance of Hexagonal Patch Antenna Influenced by Split Ring Resonator <a href="#">1570534344</a>	Sellakkutti Suganthi and Deepal Patil Christ University, Bangalore
3	A Review on Substrate Integrated Waveguide Transitions <a href="#">1570535753</a>	Balamanikandan Krishnan and Raghavan S. <i>National Institute of Technology, Trichy</i>
4	Hardware and Latency Efficient Architecture for Successive Cancellation List Decoding of Polar Codes 1570528172	Sistla Lakshmi Manasa and G Narayanan <i>NIT Trichy</i>
5	Analysis of a Compact RF MEMS Switch with Multiple Contacts using a Cantilever Beam <a href="#">1570531797</a>	T. Shanmuganantham <i>Pondicherry Central University</i>
6	Bandwidth Improvement of Microstrip Antenna Using Hexagonal PDGS <a href="#">1570524299</a>	Sapna Bijimanzil Abdulkareem and Srivatsan G PSG College of Technology
7	Design and Development of Printed Antennas for SatelliteBased AIS Applications <a href="#">1570535080</a>	Amar Dattatray Chaudhari, Prithish Chand and Kamala Prasan Ray Defence Institute of Advanced Technology (DIAT)

### Technical Session: 3

May 23, 2019 10:45-12:30

Hall: A-11

Session Chair: T Shanmuganatham

ID	Paper Title	Author & Affiliation
1	Monopole Patch Antenna for C band Applications <a href="#">1570535041</a>	Pradeep Singh and Runa Kumari Birla Institute of Technology & Science Hyderabad Campus
2	Design of Broadband and Optimum Gain Aperture Coupled Micro-strip Antenna <a href="#">1570531692</a>	Gopi Ram and Anoop Dugyala <i>National Institute of Technology, Warangal</i>
3	Microstrip Patch Antenna for application in Intelligent Transport Systems <a href="#">1570534982</a>	Pradeep Singh, Kota SivaRamaKrishna Chaitanya and Runa Kumari Birla Institute of Technology & Science Hyderabad Campus
4	Frequency Reconfigurable Elliptically Polarized Slotted Diagonally Trimmed Patch Antenna <a href="#">1570530469</a>	Shipra Bhatia and M. V. Deepak Nair <i>LNM Institute of Information Technology, Jaipur</i>
5	Simulation and Design of UWB MIMO Antenna for High Isolation <a href="#">1570536634</a>	Selly Satpathy, Piali Ghose and Madhusmita Mohanty <i>Integrated Test Range, DRDO, Chandipur</i>
6	Metasurface Loaded Patch Antenna For Wi-Fi Applications <a href="#">1570534978</a>	Hariharasudhan K and Runa Kumari Birla Institute of Technology & Science Hyderabad Campus
7	CPW-Fed Inverted Six Shaped Antenna Design for Internet of Things (IoT) Applications <a href="#">1570525403</a>	Ravi Teja and S Ashok Kumar Jyothishmathi Institute of Technological Sciences, India

### Technical Session: 3

May 23, 2019 10:45-12:30

Hall: A-12

Session Chair: Prof. M D Selvaraj

#### Wireless Communication #1

ID	Paper Title	Author & Affiliation
1	Resource Complexity Analysis for Sum-Rate Capacity in Millimeter-Wave Applications 1570528979	Eduru Supraja and R Nakkeeran <i>Pondicherry University, India</i>
2	An Alternate Optimal Power Allocation Method in MIMO Systems based on PSO 1570534988	Juttu Ramesh and Vaiyamalai Sudha <i>NIT Trichy, India</i>
3	Improved Performance Evaluation of Stochastic Modelling and QoS Analysis of Multi-hop Cooperative Data Dissemination in IVC 1570533536	Banoth Ravi, Jaisingh Thangaraj and Shrinivas Petale <i>Indian Institute of Technology (ISM), Dhanbad, India</i>
4	Performance Analysis of BeamSpace Domain Channel Estimation in mmWave Massive MIMO Systems 1570534963	<u>Parthiban I</u> and Vaiyamalai Sudha <i>NIT Trichy, India</i>
5	Spectral Efficiency Improvement in Massive MIMO Systems 1570535098	Rohan Siddheshwar Rajmane and Vaiyamalai Sudha <i>NIT Trichy, India</i>
6	Efficient Quantum-dot Cellular Automata Comparator for Nanoscale Communication 1570534827	Marshal Raj and G Narayanan <i>National Institute of Technology, Tiruchirappalli, India</i>

### Technical Session: 3

May 23, 2019 10:45-12:30

Hall: EEE Auditorium

Session Chair: Prof Somak Bhattacharyya

ID	Paper Title	Author & Affiliation
1	Ultra Broadband Electromagnetic Metamaterial absorber <a href="#">1570528673</a>	Kavitha Muthukrishnan <i>SSN College of Engineering, India</i>
2	Bandwidth Enhancement in a Dual Band Hexagonal Loop Antenna Loaded with NBSRR Metamaterial Unit Cell <a href="#">1570525402</a>	Karthigaiveni S <i>NIT</i>
3	Metamaterial Inspired Compact and Bandwidth-Enhanced Planar Monopole Antennas <a href="#">1570535178</a>	Nuthakki Venkata Rajasekha, Harish Adithya, and D. Sriram Kumar <i>National Institute of Technology, Trichy</i>
4	Design and Analysis of 2x2 Blade MIMO antenna for UAV communication <a href="#">1570521230</a>	Ardra Georg <i>Centre for Airborne Systems, DRDO</i>
5	Design of Transparent Hybrid-PVDF Composite Material of X-Band Application <a href="#">1570537066</a>	Pradyumna Patra <i>NIST, Berhampur</i>
6	Design and Simulation of Compact Double-band BPF using Metamaterial unit cell as Fractal Resonator <a href="#">1570525095</a>	Prince Kumar, Girish Chandra Ghivela and Joydeep Sengupta <i>VNIT Nagpur</i>
7	A Novel Approach for Simulation of Polarization effects on Aeronautic Telemetry Channel <a href="#">1570538329</a>	Souvik Sonar, Digvijay Pandey and Mukesh Roy <i>ITR, DRDO</i>

### Technical Session: 4

May 23, 2019 14:45-16:15

Hall : EEE Auditorium

Session Chair: Prof V Abhai Kumar

ID	Paper Title	Author & Affiliation
1	Design of annular ring MIMO antenna using Defected Ground Structure <a href="#">1570526233</a>	K Vasu Babu <i>Vasireddy Venkatadri Institute of Technology</i>
2	Design of a CPW Detective Solid Bowtie for Satellite Applications <a href="#">1570526475</a>	Ravali Sadaraboina, S Ashok Kumar and T. Shanmuganatham <i>Jyothishmathi Institute Of Technological Sciences, India</i>
3	A Super Wideband Circular Monopole Antenna <a href="#">1570535077</a>	Srinivasarao Alluri and R Nakkeeran <i>Pondicherry Central University</i>
4	Stub loaded compact hexagonal ring antenna for WLAN/WiMAX/ITU applications <a href="#">1570528161</a>	Md. Zuber Khan , Usha K <i>VIT, Chennai</i>
5	CBCPW fed SRR Loaded Diamond Shaped Slotted Radiator for On Body Applications <a href="#">1570528399</a>	Sajith K and T. Shanmuganatham <i>Pondicherry Central University</i>
6	Design and Measurement of Compact Hexa-Band Antenna for S, C and X-Band Applications <a href="#">1570528694</a>	R Kiruthika, and T. Shanmuganatham <i>NIT, Trichy</i>



7	Compact Wideband Log Spiral Antenna with Circular Slots for S-Band Applications <a href="#">1570532056</a>	Shashank Khorgade, and N v s n Sarma, <i>National Institute of Technology, Warangal</i>
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**Technical Session: 4**

May 23, 2019 14:45-16:15

Hall: A-11

**Session Chair: Dr. B. Rebekka, NIT, Tiruchirappalli**

**Networking #2**

ID	Paper Title	Author & Affiliation
1	Feature Matching and Assessment of Similarity rate on geometrically Distorted Side Scan Sonar Images 1570531902	Dhana Lakshmi M, Vimal raj M and Sakthivel Murugan Santhanam <i>SSN College of Engineering, Kalavakkam, India</i>
2	Analysis of Campus Network Management Challenges and Solutions 1570534881	Thavamani Shanmugam and Malar Kodi <i>National Institute of Technology, India</i>
3	Memory and Load-aware Traffic Rerouting (MLTR) in Open Flow-based SDN 1570535177	N Senthilkumaran, R Thangarajan and Sk Nivetha <i>Anna University, Chennai &amp; Vellalar Institutions, Erode, India,</i>
4	Metaheuristics in Mobile AdHoc Network Route Optimization 1570535349	Sk Nivetha, Asokan Ramasamy and N Senthilkumaran <i>Kongu Engineering College, India</i>
5	Comparitive Analysis of Blackhole and Rushing Attack in MANET 1570542514	V R Sarma Dhulipala and Sivanesh S <i>Anna University, Chennai, India</i>
6	A Low Profile and Compact UWB Antenna for Wireless Communication Applications <a href="#">1570524932</a>	Srikar D and Anuradha Sundru <i>National Institute of Technology Warangal</i>

**Technical Session: 4 (optical Devices and components)**

May 23, 2019 14:45-16:15

Hall: A-12

**Session Chair: Prof. D Sriram Kumar**

ID	Paper Title	Author & Affiliation
1.	A Study on Development of a Non Invasive Optical based Instrument to estimate the Bilirubin Concentration in the Blood Serum <a href="#">1570525430</a>	Vignesh kumar Kanamail, Periyasami R <i>NIT, Trichy</i>
2.	A Novel Perovskite Solar Cell with ZnO-Cu2O as Electron Transport Material-Hole Transport Material <a href="#">1570529983</a>	Aseena S, V suresh Babu, Nelsa Abraham <i>Government college of engineering, Barton hill, Trivandrum.</i>
3.	Annealing effects on capacitance density and voltage coefficient of capacitance (VCC) of thin-film capacitor for energy harvesting application <a href="#">1570531929</a>	Smita PS, V suresh Babu, G. Shiny <i>College of Engineering, Trivandram</i>

4.	Design and Performance Analysis of an Ultra-Compact 2-Channel Optical MUX/DEMUX based on PCW Defects <a href="#">1570532137</a>	sivasindhu masilamani, samudiswary P, <i>Pondicherry Univeresity</i>
5.	Design of GaAs-Photonic Crystal Based Polarization Splitter <a href="#">1570532475</a>	Preethi Manjou S, samudiswary P, sivasindhu masilamani <i>Pondicherry Univeresity</i>
6.	Photonic Crystal Fiber - Based Surface Plasmon Filter Realization <a href="#">1570534765</a>	Gunasekaran chandrasekharan, Ayyanar Natesan, G Thavasi raja, Ramasundaram Mohan <i>National Institute of Technology, Trichy</i>
7.	Configurable Photonic Element: Analysis and Design Towards Reconfigurable Photonic ICs <a href="#">1570535163</a>	Meerasha Mubarak ali, Toijam sundar,meetei, Krishna Moorthy pandian <i>Sastra University, Tanjavur</i>

### Technical Session: 5

May 23, 2019 16:30-18:30

Hall: EEE Auditorium

Session Chair: Prof S S Pattanaik

ID	Paper Title	Author & Affiliation
1	Study and Design of SRR loaded ACS-Fed Multiband Koch star and MinkowskiCurve Fractal-Patch Antenna <a href="#">1570531778</a>	C.Elavarasi and T. Shanmuganantham St.MartinsEngg. College, Secunderabad
2	Novel Compact Implementation of Rat-Race Hybrid Coupler Using Coaxial Cable For VHF Applications <a href="#">1570525413</a>	Makarand Govind Kulkarni, A. N. Cheeran, S. S. Kakatkar and KP Ray <i>Veer mata Jijabai Technological Institute (VJTI), India</i>
3	Design of CPW fed Antenna for WIMAX Applications <a href="#">1570527743</a>	Sahitya Vanam, S Ashok Kumar and T. Shanmuganantham <i>Jyothishmathi Institute Of Technological Sciences, India</i>
4	Design of V-Band Balanced Antipodal Vivaldi Antenna for 60 GHz Point-to-Point Communication <a href="#">1570535084</a>	Tanuj Bahuguna, and R.Pandeeswari <i>National Institute of Technology, Trichy</i>
5	Comparative Analysis of Vee Antenna for Space Instrumentation <a href="#">1570535085</a>	Dinesh Kumar and Kinsuk Acharyya Birla Institute of Technology and Science & BITS Pilani, Hyderabad
6	Novel Printed Leaky-Wave Antenna with Suppressed OSB for Broad Angle Scanning <a href="#">1570535111</a>	Birendra Kumar, Jayanta Ghosh and Ratnesh Ranjan. <i>NIT PATNA</i>
7	Meandering Slot Patch Antenna for UAV Applications <a href="#">1570535161</a>	Dinesh Kumar, Runa Kumari and Sourav Nandi Birla Institute of Technology and Science & BITS Pilani, Hyderabad

### Technical Session: 5

May 23, 2019 16:30-18:30

Hall: A-12

Session Chair: Prof R Pandeeswari

ID	Paper Title	Author & Affiliation
1	Slot Antenna miniaturization and wideband using square loop periodic structures <a href="#">1570536057</a>	Khan Masood Parvez sk and Hablib A Aliah University
2	Quarter Wavelength Transmission Line Synthesis from an Asymmetric Network <a href="#">1570536565</a>	Md Ayatullah Maktoomi University of Scranton, USA
3	Miniaturization of monopole antenna with doughnut shaped shell of single ring split ring resonators <a href="#">1570536669</a>	G Bharath Reddy and D. Sriram Kumar <i>National Institute Of Technology, Tiruchirappalli</i>
4	Open Complementary Split Ring Resonator Based RF Sensor with Improved Sensitivity for Detection and Estimation of Adulteration in Edible Oils <a href="#">1570536681</a>	Pooja N Kakani, Chandu DS and Sholampettai Subramanian Karthikeyan <i>National Institute of Technology Andhra Pradesh</i>
5	A passive UHF RFID tag for wireless fracture toughness measurement on metals <a href="#">1570543295</a>	Geetha Chakaravathi and Kavitha Arunachalam NITT, India
6	Detection of Defects in Composites Using Hybrid Microwave NDE Deploying Printed E-Field Sensor <a href="#">1570543323</a>	Jayaram Kizhekke Pakkathillam and Kavitha Arunachalam <i>Indian Institute of Technology, Madras, India</i>
7	Microwave based Conductivity Monitoring of Glass Melts Used for Nuclear Waste Management <a href="#">1570543328</a>	Balamurugan T. Sivaprakasam and Kavitha Arunachalam <i>Indian Institute of Technology, Madras, India</i>

### Technical Session: 5 (Free space optics)

May 23, 2019 16:30-18:30

Hall: A-11

Session Chair:

ID	Paper Title	Author & Affiliation
1.	Peak-to-Average Power Ratio (PAPR) Reduction Using Combination of Precoding and Companding Techniques for VLC OFDM Systems <a href="#">1570530732</a>	Nishanth saran, S Ghorai, Ajit Kumar <i>BITS Mesra</i>
2.	L-band Extended National Optical Fiber Network to achieve the mission of Digital India <a href="#">1570520687</a>	Rahul Jashwanthbhai Pandya <i>National institute of technology, Warangal</i>
3.	Comparitive Analysis of ACO-OFDM and CACO-OFDM for Indoor Optical Wireless Communication <a href="#">1570535119</a>	Jayasudha Koti <i>St. Francis Institute of Technology, India</i>

4.	Fault-Tolerant and Medium Access Control (FTMAC) protocol for IoT over VLC <a href="#">1570530487</a>	Rahul Jashwanthbhai Pandya, Ravi Goyal, Rupam Kundu <i>National institute of technology, Warangal</i>
5.	Performance Analysis of PolSK MIMO - FSO over Strong Atmospheric Turbulence Conditions <a href="#">1570535997</a>	J jeyarani, D Sriram Kumar, Britto E Caroline <i>JJ college of Engineering</i>

**Technical Session: 6**

May 24, 2019 10:45-12:30

Hall: EEE Auditorium

Session Chair: Dr Shiv Narayan

ID	Paper Title	Author & Affiliation
1	<i>Design and Optimization of Broadband FSS based Radar Absorbing Structure</i> <a href="#">1570531451</a>	Sreeja J , Raveendranath Nair and Shiv Narayan, CSIR National Aerospace Laboratories,Bengalore
2	Planar and Conformal Analysis of Frequency Selective Surface Loaded with Lumped Elements <a href="#">1570535653</a>	Arun L K, V Krushna Kanth and S Raghavan <i>NIT, Trichy</i>
3	EM Design of Miniaturized FSS based Low Observable Antenna for Aerospace Application <a href="#">1570531390</a>	Sreeja J , Mahima P and Shiv Narayan, CSIR National Aerospace Laboratories,Bengalore
4	An Ultra-thin FSS Bandpass Filter in Terahertz Region <a href="#">1570539864</a>	Sambuddha Sarkar, Tanmoy Chakrabarti, Sambit Ghosh and Somak Bhattacharyya <i>Indian Institute of Technology (BHU), Varanasi</i>
5	Studies on Microstrip to SIW transition at Ka-Band <a href="#">1570535120</a>	Kunooru Bharath and Srujana Vahini Nandigam Osmania University
6	Suspended Substrate Stripline-Microstrip mixed Substrate Topology based Wide Stopband Low Pass Filter <a href="#">1570526621</a>	Mahadev Sarkar Product Development and Innovation Centre & Bharat Electronics Limited, India
7	Design of Linear 2×2 Array Using Substrate-Integrated Waveguide Patch for 28GHz mm-Wave Applications <a href="#">1570525025</a>	Parthasarathy Ramanujam, P g v Ramesh and Chandrasekar Arumugam. St. Josephs College of Engineering

### Technical Session:6

May 24, 2019 10:45-12:30

Hall: A-11

Session Chair:

ID	Paper Title	Author & Affiliation
1	Review on Recent Trends in Reconfigurable Microwave <a href="#">1570524785</a>	Ramkumar S and R Boopathi Rani <i>NIT, Pondicherry</i>
2	A Compact and highly selective resonator based band pass filter for UWB applications <a href="#">1570531977</a>	Divya Shree M <i>Vellore Institute of Technology</i>
3	Design considerations for realization of Ku - band hairpin micro-strip band pass filter with high rejections at stop band <a href="#">1570532083</a>	Rohit Lahiri and Harikrishna M V <i>Bharat Electronics Limited</i>
4	Performance Analysis of Fifth Order Low-pass Chebyshev Filter using Planar RF MOSFETs <a href="#">1570536567</a>	Chandrasekhar Dhulipala, Himakar Mathi, Manusai Kamarapu and Chandu DS <i>National Institute of Technology, Andhrapradesh</i>
5	Design of a Compact Wilkinson Power Divider using Four Asymmetric DGS for Harmonic Suppression <a href="#">1570535086</a>	Ajay Rajendra Khare, Santosh Kharat, Akshay Rajapkar, Makarand Govind Kulkarni and Shivraj Rathod <i>Veermata Jijabai Technological Institute (VJTI), India</i>
6	Design of cascaded low noise amplifier for see through wall application <a href="#">1570531831</a>	A Sankavi, and A Thenmozhi <i>Anna University</i>

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Session Chair: Prof. P. Muthuchidambaranathan, NIT, Tiruchirappalli

#### Wireless Communication #2

1	Simple Solution to Reduce Interference in Cognitive Radio Networks 1570531812	Kalpna Naidu <i>NIT-warangal &amp; Indian Institute of Technology-Hyderabad, India</i>
2	Fast and Efficient Estimation of Spatial Correlation Characteristics of Co-Located Dual-polarized Massive MIMO Arrays in 5G Base Stations 1570531345	Debdeep Sarkar, Said Mikki and Yahia Antar <i>Royal Military College Canada, Canada, University of New Haven, USA</i>
3	Performance Analysis of Generalized Frequency Division Multiplexing in Cognitive Radio Under Fading Channels 1570535134	Sahitya Kasa, Manojna Katuri, Anuradha Sundru and Harsha Vardhan Mupparaju <i>National Institute of Technology Warangal, India</i>
4	outage performance of full duplex cooperative NOMA with energy harvesting over nakagami-m fading 1570536014	Deepan Nagarajan and Balakrishnan Rebekka <i>National Institute of Technology, India</i>
5	Radio Frequency Energy Harvesting for energizing low power devices 1570536588	Piyush Gangare, Pratiksha Tidake and Kishore Kulat <i>Visvesvayara National Institute of Techology, India</i>
6	Performance Analysis of UAV Cellular Communications 1570535118	Anand Pushparaj, Vineeth Palliyembil, Gattu Nadiminti Laxman, Maurizio Magarini and Muthu Palanivel Chidambara Nathan <i>NIT Trichy, India</i>

**Technical Session: 6**

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Hall : LH(09)

Session Chair: Prof M Bhaskar

<b>ID</b>	<b>Paper Title</b>	<b>Author &amp; Affiliation</b>
1	Temperature Compensation of Trans-receiver performance for Airborne Applications <a href="#">1570525270</a>	Vipin Kumar, Satish Jhariya, Mahadev Sarkar and Siva Kumar <i>Bharat Electronics, India</i>
2	Analysis of low power SRAM design with leakage control techniques <a href="#">1570535162</a>	Pavankumar Bikki, Muppa Annapurna and Vujwala Sayana <i>NIT, Andhra Pradesh</i>
3	Development of Potentiostat for Harmonic Current Measurement in Non_Linear Systems <a href="#">1570531577</a>	Monika R and Ramesh Pazhayannur Venkitaraman <i>CSIR-CECRI</i>
4	Analysis of low power novel SRAM design with self-biasing approach for ultra-low power applications <a href="#">1570533602</a>	Pavankumar Bikki and Muppa Annapurna <i>NIT, Andhra Pradesh</i>
5	Performance Analysis of Underlap Double Gate Oxide Stacked Junction less MOSFET for Analog and RF Applications <a href="#">1570529128</a>	Amit Bhattacharyya and Debashis De <i>Haldia Institute of Technology, Westbengal</i>
6	Design Fabrication and Characterization of Transceiver for Wide band System <a href="#">1570525012</a>	Saket Kumar, Rajarshi Bhattacharya and Debalina Ghosh <i>MIT, Muzaffarpur</i>
7	Design of Frequency Reconfigurable Hexagonal Antennas for WLAN Applications <a href="#">1570531550</a>	Rahul Singhal, Abhishek Joshi and Lokesh Kumar Verma <i>BITS Pilani, India</i>