

## 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*	10:45-12:45	Technical Session 3	10:45-12:45	Technical Session 6
12:30-14:00	Lunch	12:45-14:00	Lunch	12:45-14:00	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 - 18:15	Technical Session 2	16:30-18:30	Technical Session 5		
18:30-20:00	Cultural Program				
20:00-21:30	Banquet Dinner				



## Day 1: Wednesday May 22, 2019

08:00-09:00	Registration		<b>Session Chair:</b>
09:30-10:30	Inauguration	Venue: Barn Hall	
10:30-11:00	Tea Break	Venue: Barn Hall Back Door	
11:00-11:45	Key note 1*	Tapan Kumar Sarkar, Syracuse University, USA Venue: Barn Hall	
11:45-12:30	Key note 2*	S Christopher, Ex-Chairman DRDO Venue: Barn Hall	
12:30-14:00	Lunch	Venue: Barn Hall Back Door	
14:00-14:45	Invited Talk-1	Bhaskar Gupta, Jadavpur University Kolkata Venue: Barn Hall // Srinivas Talabattula IISc, Bangalore Venue: Hall A-13	
14:00-16:00	Technical Session 1	Track-1, Venue: Barn Hall	Dr. D C Pande, LRDE, DRDO
		Track-2, Venue: Hall A-12	Prof. G. Thavasi Raja, NIT Trichy
		Track-3, Venue: Hall A-11	Prof. V. Sudha, NIT, Trichy
16:00-16:15	Tea Break	Venue: Barn Hall Back Door	
16:15-18:15	Technical Session 2	Track-1, Venue: Hall A-12	Prof. S Raghavan (HAG), NIT, Trichy
		Track-1, Venue: Hall A-13	Prof. Chinmoy Saha, IIST, Trivandrum
		Track-3, Venue: Hall A-11	Prof. B. Malarkodi, NIT, Trichy
18:30-20:00	Cultural Program	Venue: Barn Hall	
20:00-21:30	Banquet Dinner	Venue: Barn Hall Back Door	



## Day 2: Thursday May 23, 2019

08:30-09:00	Registration		
09:00-09:45	Invited Talk-2	Dr. D C Pande, LRDE, DRDO Venue: Barn Hall // Prof. S. K. Varshney IIT, Kharagpur Venue: Hall A-13	
09:45-10:30	Invited Talk-3	Prof. S S Pattnaik, NITTR, Chandigarh Venue: Barn Hall // Balaji Srinivasan IIT, Madras Venue: Hall A-13	
10:30-10:45	Tea Break	Venue: Barn Hall Back Door	
10:45-12:45	Technical Session 3	Track-1, Venue: Hall A-11	Prof. T Shanmuganantham, Pondicherry University
		Track-1, Venue: Hall A-13	Prof. Somak Bhattacharyya, IIT, BHU
		Track-3, Venue: Hall A-12	Prof. M D Selvaraj, IIITDM, Kancheepuram
12:45-14:00	Lunch	Venue: Barn Hall Back Door	
14:00-14:45	Invited Talk-4	Prof. V Subramanian, IIT Madras, Venue: Hall A-13	
		Prof. M D Selvaraj, IIITDM, Kancheepuram Venue: Hall A-11	
		Prof. Surendra Pal Ex- VC DIAT, Pune Venue: Barn Hall	
14:45-16:15	Technical Session-4	Track-1, Venue: Barn Hall	Prof. S S Pattnaik, NITTR, Chandigarh
		Track-2, Venue: Hall A-13	Prof. D Sriram Kumar, NIT, Trichy
		Track-3, Venue: Hall A-11	Prof. B. Rebekka, NIT, Trichy
		Track-1 & Track-2, Venue: Venue: Hall A-12	Prof. S S Karthikeyan, NIT, Trichy & Prof. G. Thavasi Raja, NIT, Trichy
16:15-16:30	Tea Break	Venue: Barn Hall Back Door	
16:30-18:30	Technical Session 5	Track-1, Venue: Hall A-13	Prof. J Y Siddique, University of Kolkata
		Track-1, Venue: Hall A-12	Prof. R Pandeewari, NIT, Trichy
		Track-2, Venue: Hall A-11	Prof. B. Venkataramani (HAG), NIT, Trichy



## Day -3: Friday May 24, 2019

08:30-09:00	Registration		
09:00-09:45	Invited Talk-5	Prof. K P Ray, DIAT, Pune Venue: Barn Hall	
09:45-10:30	Invited Talk-6	Prof. J Y Siddique, University of Kolkata, Venue: Barn Hall	
10:30-10:45	Tea Break	Venue: Barn Hall Back Door	
10:45-12:45	Technical Session-6	Track-1, Venue: Barn Hall	Prof. K P Ray, DIAT, Pune
		Track-1, Venue: Hall A-11	Prof. V Abhai Kumar, TCE, Madurai
		Track-1, Venue: Hall A-13	Prof. M Bhaskar, NIT, Trichy
		Track-3, Venue: Hall A-12	Prof. P. Muthuchidambaranathan, NIT, Trichy
12:45-14:00	Lunch	Venue: Barn Hall Back Door	
14:00-14:45	Invited Talk-7	Prof. Chinmoy Saha IIST, Trivandrum, Venue: Hall A-13	
15:00-16:00	Valedictory Function	Venue: Barn Hall	



## Keynote and Invited Speakers

- ✦ Keynote 1: Prof. Tapan K. Sarkar, Syracuse University, USA
- ✦ Keynote 2: Dr. S Christopher, Ex-Chairman DRDO
- ✦ Invited Talk-1: Prof. Bhaskar Gupta, Jadavpur University Kolkata
- ✦ Invited Talk-2 : Dr. D C Pande, LRDE DRDO //  
Prof. S. K. Varshney IIT, Kharagpur
- ✦ Invited Talk-3: Balaji Srinivasan IIT, Madras //  
  
Prof. S S Pattnaik, NITTR, Chandigarh
- ✦ Invited Talk-4 : Prof. V Subramanian, IIT, Madras //  
Prof. M D Selvaraj, IIITDM, Kancheepuram //  
Prof. Surendra Pal, Ex-VC DIAT, Pune
- ✦ Invited Talk-5 : Prof. K P Ray , DIAT, Pune
- ✦ Invited Talk-6 : Prof. J Y Siddique, University of Kolkata
- ✦ Invited Talk-7 : Prof. Chinmoy Saha, IIST, Trivandrum

## IMICPW Venue

- ❖ *Admin Block, National Institute of Technology, Tiruchirappalli*



## Detailed Programme Schedule

### Keynote Lectures

SI No.	Speakers	Date and Time
Keynote-1	Prof. Tapan K. Sarkar, Syracuse University, USA	May 22, 11:00-11:45
Keynote-2	Dr. S Christopher, Ex-Chairman DRDO	May 22, 11:45-12:30

### Invited Speakers

SI No.	Speaker	Date and Time
Invited Talk-1	Prof. Bhaskar Gupta, Jadavpur University Kolkata // Srinivas Talabattula IISc, Bangalore	May 22 14:00-14:45
Invited Talk-2	Dr. D C Pande LRDE, DRDO // Prof. S. K. Varshney IIT, Kharagpur	May 23 09:00-09:45
Invited Talk-3	Prof. S S Pattnaik, NITTR, Chandigarh // Balaji Srinivasan IIT, Madras	May 23 09:45-10:30
Invited Talk-4	Prof. V Subramanian, IIT, Madras // Prof. M D Selvaraj, IIITDM, Kancheepuram // Prof. Surendra Pal Ex- VC DIAT, Pune	May 23 14:00-14:45



Invited Talk-5	Prof. K P Ray DIAT, Pune	May 24 09:00-09:45
Invited Talk-6	Prof. J Y Siddique, University of Kolkata	May 24 09:45-10:30
Invited Talk-7	Prof. Chinmoy Saha IIST, Trivandrum	May 24 14:00-14:45



## Technical Session: 1

(Track-01)

May 22, 2019 14:00-16:00

Venue: Barn Hall

**Session Chair: Dr. D C Pande, LRDE, DRDO**

S. no	Paper Title	Author & Affiliation
1	<b>1570524843:</b> Compact Circularly Polarized Fractal Patch Antenna using Defected Ground Structure	Sindhu Kotla, Varanashi Shivani, Miyapuram Ashish, Saurabh Kumar <i>NIT, Andhrapradesh</i>
2	<b>1570536145:</b> Design of a Two-Port Composite Dielectric Resonator Antenna for UWB MIMO Applications	Debarati Ganguly, Keerthipriya Sathish, Chinmoy Saha and Yahia Antar <i>Royal Military College Canada</i>
3	<b>1570531783:</b> Design, Development and Parametric Analysis of Dual Polarized Antenna with High Isolation, Low Cross Polarization, High Gain for X-Band Applications	Vadlamudi Roja <i>IIST, Trivandrum</i>
4	<b>1570532045:</b> Broadband Circularly Polarized Cylindrical Dielectric Resonator Antenna	Priya Ranjan Meher, Sanjeev Mishra <i>IIT, Bhubaneswar</i>
5	<b>1570534036:</b> Gain and Bandwidth Improvement of Circularly Polarized Pentagonal Patch Antenna	Guthi Srinivas, Vakula D and NVN Sharma <i>NIT, Warangal</i>
6	<b>1570531390:</b> EM Design of Miniaturized FSS based Low Observable Antenna for Aerospace Application	Sreeja J , Mahima P and Shiv Narayan, CSIR National Aerospace Laboratories, Bengalore
7	<b>1570531451:</b> Design and Optimization of Broadband FSS based Radar Absorbing Structure	Sreeja J , Raveendranath Nair and Shiv Narayan, CSIR National Aerospace Laboratories, Bengalore





## Technical Session: 1 (Track-03)

May 22, 2019 14:00-16:00

Venue: Hall A-11

**Session Chair: Prof. V. Sudha, NIT, Trichy**

S. no	Paper Title	Author & Affiliation
1	<b>1570524368:</b> A Secured and Authenticated Internet of Things Model using Blockchain Architecture	Krishna Prasad Satamraju and Malar Kodi <i>NIT Trichy</i>
2	<b>1570531572:</b> A Theoretical Implementation: Agriculture-Food Supply Chain Management using Blockchain Technology	S Madumidha, P Siva Ranjani, U Vandhana and B Venmuhilan <i>Sri Krishna College of Technology, Coimbatore</i>
3	<b>1570531925:</b> Analysis Of Machine Learning Algorithms for Wi-Fi-based Indoor Positioning System	Abishek R, Abishek K R, Hariharan Natesh, Rakesh Vaideeswaran and Sundara Paripooranan <i>NIT Trichy</i>
4	<b>1570534589:</b> Novel NFV entities managing scheme for telecom providers using Proof of Concept Blockchain	Rathina Vel Sundar, Balakrishnan Rebekka, Malar Kodi and Nagarajan Gunavathi <i>NIT Trichy, India</i>
5	<b>1570536305:</b> Unique Identity Management Scheme for Distributed NFV Market Place using Ethereum	Satish Ganta, Malar Kodi, Balakrishnan Rebekka and Nagarajan Gunavathi <i>NIT Trichy</i>
6	<b>1570531624:</b> Non-linear, time-varying, user-controlled pseudo-random bit generator for application in cryptography	Shriya Salian, Pallavi Bhatia and Vishal Satpute <i>VNIT Nagpur</i>



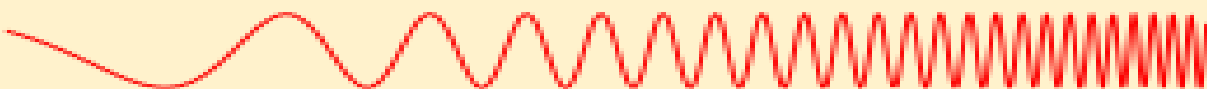
**Technical Session: 1**  
(Track-02)

May 22, 2019 14:00-16:00

Venue: Hall A-12

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

S. no	Paper Title	Author & Affiliation
1	<b>1570536558:</b> Physical Layer Impairment Aware Network Routing in Software Defined Optical Networks	Shrinivas petale, Harshavardhan unnibhavi, Jaising Thangaraj. <i>IIT-ISM Dhanbad</i>
2	<b>1570534395:</b> Analysis of Free Space Optical DPSK-SIM Based Communication System over Malaga Distributed Channel with Misalignment Fading	Vineeth pelliyeembil, Jagadeesh V K, M C Nathan <i>NIT, Trichy</i>
3	<b>1570532458:</b> Ring Topologies with Energy Efficient Scheduling of ONUs in TWDM PON	Bhargav Ram Rayapati, R Nakkeeran. <i>Pondichery University</i>
4	<b>1570535130:</b> Optical Power Distribution and Statistical Analysis of Indoor Visible Light Communication	<i>Adhithya Kumar, V sudha</i> <i>NIT, Trichy</i>
5	<b>1570531554:</b> Performance Analysis of a Visible Light Vehicle- to-Vehicle Wireless Communication System	Rahul singhal, Vima Gupta <i>BITS, Pilani</i>
6	<b>1570531910:</b> Performance Improvement in Fingerprint Feature Extraction Using Minutiae Local Triangle Feature set	Rajendran Ananda Jothi, Jebakkan Nithya priya, Vellian palanisamy <i>Alagappa University, India</i>
7	<b>1570532475:</b> Design of GaAs-Photonic Crystal Based Polarization Splitter	Preethi Manjou S, samudiswary P, sivasindhu masilamani <i>Pondicherry Univeresity</i>



## Technical Session: 2

(Track-01)

May 22, 2019 16:15-18:15

Venue: Hall A-12

Session Chair: Prof. S Raghavan (HAG), NIT, Trichy

S. no	Paper Title	Author & Affiliation
1	<b>1570535152:</b> A Novel 3D Miniaturized, Wideband, Dual-Polarized Antenna with High Isolation, Low Cross Polarization for Advanced LTE/5G Base Station Application	Vadlamudi Roja <i>Indian Institute of Space Science and Technology</i>
2	<b>1570534661:</b> Antenna array for 5G C band for mobile terminals	Arun Yadav and Vamsi Palukuru <i>KIET Group of Institution</i>
3	<b>1570531432:</b> A New Recursively Generated Array geometry for DOA Estimation	Priyadarshini Raiguru, and R.K. Mishra <i>SOA University, Bhubaneswar</i>
4	<b>1570525512:</b> A Compact wide band Multi-Stacked patch antenna for UWB applications	Parthasarathy Ramanujam, P g v Ramesh and Chandrasekar Arumugam <i>St. Josephs College of Engineering</i>
5	<b>1570536189:</b> Metamaterial Based Quad Band Hexagonal Slot Antenna for Wireless Applications	Praveena Namanathan <i>NIT, Trichy</i>
6	<b>1570522927:</b> Analysis of Bending and Human Body Effects on Sleeve-Badge Textile Antenna Performance	Khandker Shafaet-UzZaman and Mohammad A Matin <i>North South University, Bangladesh</i>
7	<b>1570531962:</b> Design and Analysis of a Microstrip Antenna Array for High Gain Applications at mm wave frequencies	Kunooru Bharath, Srujana Vahini Nandigama and Rama Krishna Dasari <i>Osmania University, India</i>



**Technical Session: 2**

(Track-03)

May 22, 2019 16:15-18:15

Venue: Hall A-11

**Session Chair: Prof. B. Malarkodi, NIT, Trichy**

S. no	Paper Title	Author & Affiliation
1	<b>1570525103:</b> Protection of messages using selective encryption based ESI scheme for MANET	Jebakkan Nithyapriya, Rajendran Anandha Jothi and Vellian Palanisamy Alagappa University, India
2	<b>1570525407:</b> Maximized Energy Efficiency Based Power Allocation Strategy in Wireless Cooperative Network	Elishetti Ramakrishna NIT Andhra Pradesh
3	<b>1570530146:</b> Harvesting Capacity Analysis of IoT Vehicular Mesh Networks using Poisson Cox Point Process	Govindasamy Ananthi and Thiruvengadam S Jayaraman Thiagarajar College of Engineering, Madurai, India
4	<b>1570531940:</b> Low cost Received Signal Strength estimator for localization in wireless networks	Preeth Raguraman and Ramasundaram Mohan National Institute of Technology, Tiruchirappalli, India
5	<b>1570534812:</b> A Survey on Network Functions Virtualization for Telecom Paradigm	Pitta Vineel Anvith, Nagarajan Gunavathi, Malar Kodi and Balakrishnan Rebekka National Institute of Technology, TRICHY, India
6	<b>1570535112:</b> Energy Efficient Design of Cooperative communication enabled Magnetic Induction based Non-Conventional Wireless Sensor Networks	Chaitanya Sharad Shinde and Vinay Kumar Visvesvaraya National Institute of Technology Nagpur, India



## Technical Session: 2 (Track-01)

May 22, 2019 16:15-18:15

Venue: Hall A-13

**Session Chair: Prof. Chinmoy Saha, IIST, Trivandrum**

S. no	Paper Title	Author & Affiliation
1	<b>1570531143:</b> Design and Analysis of MEMS Based RF Capacitive Switch for DMTL Phase Shifter	T. Shanmuganantham <i>Pondicherry Central University</i>
2	<b>1570535753:</b> A Review on Substrate Integrated Waveguide Transitions	Balamanikandan Krishnan and Raghavan S. <i>National Institute of Technology, Trichy</i>
3	<b>1570528172:</b> Hardware and Latency Efficient Architecture for Successive Cancellation List Decoding of Polar Codes	Sistla Lakshmi Manasa and G Narayanan <i>NIT Trichy</i>
4	<b>1570531797:</b> Analysis of a Compact RF MEMS Switch with Multiple Contacts using a Cantilever Beam	T. Shanmuganantham <i>Pondicherry Central University</i>
5	<b>1570524299:</b> Bandwidth Improvement of Microstrip Antenna Using Hexagonal PDGS	Sapna Bijimanzil Abdulkareem and Srivatsan G <i>PSG College of Technology</i>
6	<b>1570535080:</b> Design and Development of Printed Antennas for SatelliteBased AIS Applications	Amar Dattatray Chaudhari, Prithish Chand and Kamala Prasan Ray <i>Defence Institute of Advanced Technology (DIAT)</i>



## Technical Session: 3

(Track-01)

May 23, 2019 10:45-12:45

Venue: Hall A-11

**Session Chair: Prof. T Shanmuganatham, Pondicherry University**

S. no	Paper Title	Author & Affiliation
1	<b>1570535041:</b> Monopole Patch Antenna for C band Applications	Pradeep Singh and Runa Kumari Birla Institute of Technology & Science Hyderabad Campus
2	<b>1570531692:</b> Design of Broadband and Optimum Gain Aperture Coupled Microstrip Antenna	Gopi Ram and Anoop Dugyala <i>National Institute of Technology, Warangal</i>
3	<b>1570534982:</b> Microstrip Patch Antenna for application in Intelligent Transport Systems	Pradeep Singh, Kota SivaRamaKrishna Chaitanya and Runa Kumari Birla Institute of Technology & Science Hyderabad Campus
4	<b>1570530469:</b> Frequency Reconfigurable Elliptically Polarized Slotted Diagonally Trimmed Patch Antenna	Shipra Bhatia and M. V. Deepak Nair <i>LNM Institute of Information Technology, Jaipur</i>
5	<b>1570536634:</b> Simulation and Design of UWB MIMO Antenna for High Isolation	Selly Satpathy, Piali Ghose and Madhusmita Mohanty <i>Integrated Test Range, DRDO, Chandipur</i>
6	<b>1570534978:</b> Metasurface Loaded Patch Antenna For Wi-Fi Applications	Hariharasudhan K and Runa Kumari Birla Institute of Technology & Science Hyderabad Campus
7	<b>1570525403:</b> CPW-Fed Inverted Six Shaped Antenna Design for Internet of Things (IoT) Applications	Ravi Teja and S Ashok Kumar Jyothishmathi Institute of Technological Sciences, India



## Technical Session: 3 (Track-03)

May 23, 2019 10:45-12:45

Venue: Hall A-12

**Session Chair: Prof. M D Selvaraj, IITDM, Kancheepuram**

S. no	Paper Title	Author & Affiliation
1	<b>1570528979:</b> Resource Complexity Analysis for Sum-Rate Capacity in Millimeter-Wave Applications	Eduuru Supraja and R Nakkeeran <i>Pondicherry University, India</i>
2	<b>1570534988:</b> An Alternate Optimal Power Allocation Method in MIMO Systems based on PSO	Juttu Ramesh and Vaiyamalai Sudha <i>NIT Trichy, India</i>
3	<b>1570533536:</b> Improved Performance Evaluation of Stochastic Modelling and QoS Analysis of Multi-hop Cooperative Data Dissemination in IVC	Banoth Ravi, Jaisingh Thangaraj and Shrinivas Petale <i>Indian Institute of Technology (ISM), Dhanbad, India</i>
4	<b>1570534963:</b> Performance Analysis of BeamSpace Domain Channel Estimation in mmWave Massive MIMO Systems	Parthiban I and Vaiyamalai Sudha <i>NIT Trichy, India</i>
5	<b>1570535098:</b> Spectral Efficiency Improvement in Massive MIMO Systems	Rohan Siddheshwar Rajmane and Vaiyamalai Sudha <i>NIT Trichy, India</i>
6	<b>1570534827:</b> Efficient Quantum-dot Cellular Automata Comparator for Nanoscale Communication	Marshal Raj and G Narayanan <i>National Institute of Technology, Tiruchirappalli, India</i>



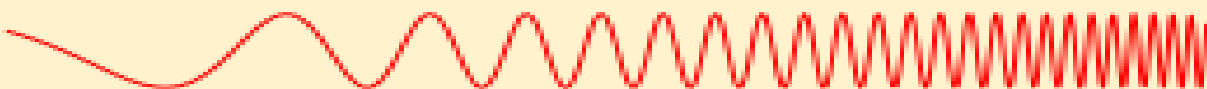
## Technical Session: 3 (Track-01)

May 23, 2019 10:45-12:45

Venue: Hall A-13

**Session Chair: Prof. Somak Bhattacharyya, IIT, BHU**

S. no	Paper Title	Author & Affiliation
1	<b>1570528673:</b> Ultra Broadband Electromagnetic Metamaterial absorber	Kavitha Muthukrishnan <i>SSN College of Engineering, India</i>
2	<b>1570525402:</b> Bandwidth Enhancement in a Dual Band Hexagonal Loop Antenna Loaded with NBSRR Metamaterial Unit Cell	Karthigaiveni S <i>NIT</i>
3	<b>1570536547:</b> Omni Directional Circularly Polarized Zeroth Order Antenna using Asymmetric Unit Cell	Harish Adithya and D. Sriram Kumar <i>NIT, Trichy</i>
4	<b>1570521230:</b> Design and Analysis of 2x2 Blade MIMO antenna for UAV communication	Ardra Georg <i>Centre for Airborne Systems, DRDO</i>
5	<b>1570537066:</b> Design of Transparent Hybrid-PVDF Composite Material of X-Band Application	Pradyumna Patra <i>NIST, Berhampur</i>
6	<b>1570538329:</b> A Novel Approach for Simulation of Polarization effects on Aeronautic Telemetry Channel	Souvik Sonar, Digvijay Pandey and Mukesh Roy <i>ITR, DRDO</i>





## Technical Session: 4 (Track-01)

May 23, 2019 14:45-16:15

Venue: Barn Hall

**Session Chair: Prof. S S Pattnaik, NITTR, Chandigarh**

S. no	Paper Title	Author & Affiliation
1	<b>1570526233:</b> Design of annular ring MIMO antenna using Defected Ground Structure	K Vasu Babu <i>Vasireddy Venkatadri Institute of Technology</i>
2	<b>1570526475:</b> Design of a CPW Detective Solid Bowtie for Satellite Applications	Ravali Sadaraboina, S Ashok Kumar and T. Shanmuganatham <i>Jyothishmathi Institute Of Technological Sciences, India</i>
3	<b>1570535077:</b> A Super Wideband Circular Monopole Antenna	Srinivasarao Alluri and R Nakkeeran <i>Pondicherry Central University</i>
4	<b>1570528161:</b> Stub loaded compact hexagonal ring antenna for WLAN/WiMAX/ITU applications	Md. Zuber Khan , Usha K <i>VIT, Chennai</i>
5	<b>1570528399:</b> CBCPW fed SRR Loaded Diamond Shaped Slotted Radiator for On Body Applications	Sajith K and T. Shanmuganatham <i>Pondicherry Central University</i>



## Technical Session: 4 (Track-01 & 02)

May 23, 2019 14:45-16:15

Venue: Hall A-12

**Prof. S S Karthikeyan, NIT, Trichy**

**Session Chair: &**

**Prof. G. Thavasi Raja, NIT, Trichy**

S. no	Paper Title	Author & Affiliation
1	<b>1570528694:</b> Design and Measurement of Compact Hexa-Band Antenna for S, C and X-Band Applications	R Kiruthika, and T. Shanmuganantham <i>NIT, Trichy</i>
2	<b>1570532056:</b> Compact Wideband Log Spiral Antenna with Circular Slots for S-Band Applications	Shashank Khorgade, and N v s n Sarma, <i>National Institute of Technology, Warangal</i>
3	<b>1570534344:</b> Performance of Hexagonal Patch Antenna Influenced by Split Ring Resonator	Sellakkutti Suganthi and Deepal Patil <i>Christ University, Bangalore</i>
4	<b>1570535163:</b> Configurable Photonic Element: Analysis and Design Towards Reconfigurable Photonic ICs	Meerasha Mubarak ali, Toijam sundar,meeteei, Krishna Moorthy pandian <i>Sastra University, Tanjavur</i>
5	<b>1570532137:</b> Design and Performance Analysis of an Ultra-Compact 2-Channel Optical MUX/DEMUX based on PCW Defects	Sivasindhu masilamani, samudiswary P, <i>Pondicherry Univeresity</i>



## Technical Session: 4 (Track-03)

May 23, 2019 14:45-16:15

Venue: Hall A-11

**Session Chair: Prof. B. Rebekka, NIT, Trichy**

S. no	Paper Title	Author & Affiliation
1	<b>1570531902:</b> Feature Matching and Assessment of Similarity rate on geometrically Distorted Side Scan Sonar Images	Dhana Lakshmi M, Vimal raj M and Sakthivel Murugan Santhanam <i>SSN College of Engineering, Kalavakkam, India</i>
2	<b>1570534881:</b> Analysis of Campus Network Management Challenges and Solutions	Thavamani Shanmugam and Malar Kodi <i>National Institute of Technology, India</i>
3	<b>1570542514:</b> Comparitive Analysis of Blackhole and Rushing Attack in MANET	V R Sarma Dhulipala and Sivanesh S <i>Anna University, Chennai, India</i>
4	<b>1570524932:</b> A Low Profile and Compact UWB Antenna for Wireless Communication Applications	Srikar D and Anuradha Sundru <i>National Institute of Technology Warangal</i>
5	<b>1570535968:</b> Deep Learning Based Image Classification and Abnormalities Analysis of MRI Brain Images	Muthu Krishnammal P and Selvakumar Raja S <i>NIT Tiruchirappalli, India,</i> <i>Khakathiya Institute of Science and Technology for Women, India</i>



## Technical Session: 4 (Track-02)

May 23, 2019 14:45-16:15

Venue: Hall A-13

**Session Chair: Prof. D Sriram Kumar, NIT, Trichy**

S. no	Paper Title	Author & Affiliation
1.	<b>1570525430:</b> A Study on Development of a Non Invasive Optical based Instrument to estimate the Bilirubin Concentration in the Blood Serum	Vignesh kumar Kanamail, Periyasami R <i>NIT, Trichy</i>
2.	<b>1570529983:</b> A Novel Perovskite Solar Cell with ZnO-Cu <sub>2</sub> O as Electron Transport Material-Hole Transport Material	Aseena S, V suresh Babu, Nelsa Abraham <i>Government college of engineering, Barton hill, Trivandrum.</i>
3.	<b>1570531929:</b> Annealing effects on capacitance density and voltage coefficient of capacitance (VCC) of thin-film capacitor for energy harvesting application	Smita PS, V suresh Babu, G. Shiny <i>College of Engineering, Trivandram</i>
4.	<b>1570534765:</b> Photonic Crystal Fiber - Based Surface Plasmon Filter Realization	Gunasekaran chandrasekharan, Ayyanar Natesan, G Thavasi raja, Ramasundaram Mohan <i>National Institute of Technology, Trichy</i>



## Technical Session: 5 (Track-01)

May 23, 2019 16:30-18:30

Venue: Hall A-13

**Session Chair: Prof. J Y Siddique, University of Kolkata**

S. no	Paper Title	Author & Affiliation
1	<b>1570531778:</b> Study and Design of SRR loaded ACS-Fed Multiband Koch star and Minkowski Curve Fractal-Patch Antenna	C.Elavarasi and T. Shanmuganantham St.MartinsEngg. College, Secunderabad
2	<b>1570525413:</b> Novel Compact Implementation of Rat-Race Hybrid Coupler Using Coaxial Cable For VHF Applications	Makarand Govind Kulkarni, A. N. Cheeran, S. S. Kakatkar and KP Ray <i>Veermata Jijabai Technological Institute (VJTI), India</i>
3	<b>1570527743:</b> Design of CPW fed Antenna for WIMAX Applications	Sahitya Vanam, S Ashok Kumar and T. Shanmuganantham <i>Jyothishmathi Institute Of Technological Sciences, India</i>
4	<b>1570535084:</b> Design of V-Band Balanced Antipodal Vivaldi Antenna for 60 GHz Point-to-Point Communication	Tanuj Bahuguna, and R.Pandeeswari <i>National Institute of Technology, Trichy</i>
5	<b>1570535085:</b> Comparative Analysis of Vee Antenna for Space Instrumentation	Dinesh Kumar and Kinsuk Acharyya Birla Institute of Technology and Science & BITS Pilani, Hyderabad
6	<b>1570535111:</b> Novel Printed Leaky-Wave Antenna with Suppressed OSB for Broad Angle Scanning	Birendra Kumar, Jayanta Ghosh and Ratnesh Ranjan. <i>NIT PATNA</i>
7	<b>1570535161:</b> Meandering Slot Patch Antenna for UAV Applications	Dinesh Kumar, Runa Kumari and Sourav Nandi Birla Institute of Technology and Science & BITS Pilani, Hyderabad



## Technical Session: 5

(Track-01)

May 23, 2019 16:30-18:30

Venue: Hall A-12

**Session Chair: Prof. R Pandeeswari, NIT, Trichy**

S. no	Paper Title	Author & Affiliation
1	<b>1570536057:</b> Slot Antenna miniaturization and wideband using square loop periodic structures	Khan Masood Parvez sk and Hablib A Aliah University
2	<b>1570536565:</b> Quarter Wavelength Transmission Line Synthesis from an Asymmetric Network	Md Ayatullah Maktoomi University of Scranton, USA
3	<b>1570536669:</b> Miniaturization of monopole antenna with doughnut shaped shell of single ring split ring resonators	G Bharath Reddy and D. Sriram Kumar <i>National Institute Of Technology, Tiruchirappalli</i>
4	<b>1570536681:</b> Open Complementary Split Ring Resonator Based RF Sensor with Improved Sensitivity for Detection and Estimation of Adulteration in Edible Oils	Pooja N Kakani, Chandu DS and Sholampettai Subramanian Karthikeyan <i>National Institute of Technology Andhra Pradesh</i>
5	<b>1570543295:</b> A passive UHF RFID tag for wireless fracture toughness measurement on metals	Geetha Chakaravarthi and Kavitha Arunachalam NITT, India
6	<b>1570543323:</b> Detection of Defects in Composites Using Hybrid Microwave NDE Deploying Printed E-Field Sensor	Jayaram Kizhekke Pakkathillam and Kavitha Arunachalam <i>Indian Institute of Technology, Madras, India</i>
7	<b>1570543328:</b> Microwave based Conductivity Monitoring of Glass Melts Used for Nuclear Waste Management	Balamurugan T. Sivaprakasam and Kavitha Arunachalam <i>Indian Institute of Technology, Madras, India</i>



## Technical Session: 5 (Track-02)

May 23, 2019 16:30-18:30

Venue: Hall A-11

**Session Chair: Prof. B. Venkataramani (HAG), NIT, Trichy**

S. no	Paper Title	Author & Affiliation
1.	<b>1570530732:</b> Peak-to-Average Power Ratio (PAPR) Reduction Using Combination of Precoding and Companding Techniques for VLC OFDM Systems	Nishanth saran, S Ghorai, Ajit Kumar <i>BITS Mesra</i>
2.	<b>1570520687:</b> L-band Extended National Optical Fiber Network to achieve the mission of Digital India	Rahul Jashwanthbhai Pandya <i>National institute of technology, Warangal</i>
3.	1570535119: Comparitive Analysis of ACO-OFDM and CACO-OFDM for Indoor Optical Wireless Communication	Jayasudha Koti <i>St. Francis Institute of Technology, India</i>
4.	<b>1570530487:</b> Fault-Tolerant and Medium Access Control (FTMAC) protocol for IoT over VLC	Rahul Jashwanthbhai Pandya, Ravi Goyal, Rupam Kundu <i>National institute of technology, Warangal</i>
5.	<b>1570535997:</b> Performance Analysis of PolSK MIMO -FSO over Strong Atmospheric Turbulence Conditions	J jeyarani, D Sriram Kumar, Britto E Caroline <i>JJ college of Engineering</i>



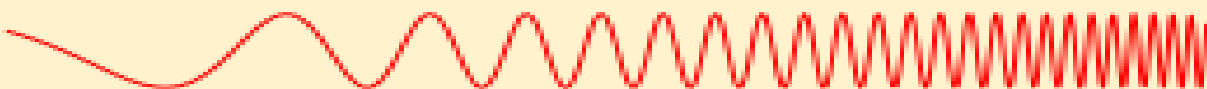
## Technical Session: 6 (Track-01)

May 24, 2019 10:45-12:45

Venue: Barn Hall

**Session Chair: Prof. K P Ray, DIAT, Pune**

S. no	Paper Title	Author & Affiliation
1	<b>1570536025:</b> Tunable Multifunctional Reconfigurable Step Profiled Dielectric Resonator Antenna for Cognitive Radio Applications	Keerthipriya Sathish and Chinmoy Saha <i>IIST, Trivandrum</i>
2	<b>1570535653:</b> Planar and Conformal Analysis of Frequency Selective Surface Loaded with Lumped Elements	Arun L K, V Krushna Kanth and S Raghavan <i>NIT, Trichy</i>
3	<b>1570552652:</b> SIW Bow-tie slot cavity backed antenna with improved Gain Characteristics	Angelin Blessy, Khyathi Surendra, Charumathi Charu , Arvind Kumar and Raghavan S <i>NIT, Trichy</i>
4	<b>1570539864:</b> An Ultra-thin FSS Bandpass Filter in Terahertz Region	Sambuddha Sarkar, Tanmoy Chakrabarti, Sambit Ghosh and Somak Bhattacharyya <i>Indian Institute of Technology (BHU), Varanasi</i>
5	<b>1570535120:</b> Studies on Microstrip to SIW transition at Ka-Band	Kunooru Bharath and Srujana Vahini Nandigam <i>Osmania University</i>
6	<b>1570526621:</b> Suspended Substrate Stripline-Microstrip mixed Substrate Topology based Wide Stopband Low Pass Filter	Mahadev Sarkar Product Development and Innovation Centre & Bharat Electronics Limited, India
7	<b>1570525025:</b> Design of Linear 2x2 Array Using Substrate-Integrated Waveguide Patch for 28GHz mm-Wave Applications	Parthasarathy Ramanujam, P G V Ramesh and Chandrasekar Arumugam. <i>St. Josephs College of Engineering</i>





## Technical Session: 6 (Track-01)

May 24, 2019 10:45-12:45

Venue: Hall A-11

Session Chair: Prof. V Abhai Kumar, TCE, Madurai

S. no	Paper Title	Author & Affiliation
1	<b>1570524785:</b> Review on Recent Trends in Reconfigurable Microwave Filters	Ramkumar S and R Boopathi Rani <i>NIT, Pondicherry</i>
2	<b>1570531977:</b> A Compact and highly selective resonator based band pass filter for UWB applications	Divya Shree M <i>Vellore Institute of Technology</i>
3	<b>1570532083:</b> Design considerations for realization of Ku - band hairpin micro-strip band pass filter with high rejections at stop band	Rohit Lahiri and Harikrishna M V <i>Bharat Electronics Limited</i>
4	<b>1570536567:</b> Performance Analysis of Fifth Order Low-pass Chebyshev Filter using Planar RF MOSFETs	Chandrasekhar Dhulipala, Himakar Mathi, Manusai Kamarapu and Chandu DS <i>National Institute of Technology, Andhrapradesh</i>
5	<b>1570535086:</b> Design of a Compact Wilkinson Power Divider using Four Asymmetric DGS for Harmonic Suppression	Ajay Rajendra Khare, Santosh Kharat, Akshay Rajapkar, Makarand Govind Kulkarni and Shivraj Rathod <i>Veermata Jijabai Technological Institute (VJTI), India</i>
6	<b>1570531831:</b> Design of cascaded low noise amplifier for see through wall application	A Sankavi, and A Thenmozhi <i>Anna University</i>



## Technical Session: 6 (Track-03)

May 24, 2019 10:45-12:45

Venue: Hall A-12

**Session Chair: Prof. P. Muthuchidambaranathan, NIT, Trichy**

S. no	Paper Title	Author & Affiliation
1	<b>1570531812:</b> Simple Solution to Reduce Interference in Cognitive Radio Networks	Kalpana Naidu <i>NIT-warangal &amp; Indian Institute of Technology- Hyderabad, India</i>
2	<b>1570531345:</b> Fast and Efficient Estimation of Spatial Correlation Characteristics of Co-Located Dual-polarized Massive MIMO Arrays in 5G Base Stations	Debdeep Sarkar, Said Mikki and Yahia Antar <i>Royal Military College Canada, Canada, University of New Haven, USA</i>
3	<b>1570535134:</b> Performance Analysis of Generalized Frequency Division Multiplexing in Cognitive Radio Under Fading Channels	Sahitya Kasa, Manojna Katuri, Anuradha Sundru and Harsha Vardhan Mupparaju <i>National Institute of Technology Warangal, India</i>
4	<b>1570536014:</b> Outage performance of full duplex cooperative NOMA with energy harvesting over nakagami-m fading channels	Deepan Nagarajan and Balakrishnan Rebekka <i>National Institute of Technology, India</i>
5	<b>1570535118:</b> Performance Analysis of UAV Cellular Communications	Anand Pushparaj, Vineeth Palliyembil, Gattu Nadiminti Laxman, Maurizio Magarini and Muthu Palanivel Chidambara Nathan <i>NIT Trichy, India</i>



## Technical Session: 6 (Track-01)

May 24, 2019 10:45-12:45

Venue: Hall A-13

**Session Chair: Prof. M Bhaskar, NIT, Trichy**

S. no	Paper Title	Author & Affiliation
1	<b>1570525270:</b> Temperature Compensation of Trans-receiver performance for Airborne Applications	Vipin Kumar, Satish Jhariya, Mahadev Sarkar and Siva Kumar <i>Bharat Electronics, India</i>
2	<b>1570535162:</b> Analysis of low power SRAM design with leakage control techniques	Pavankumar Bikki, Muppa Annapurna and Vujwala Sayana <i>NIT, Andhra Pradesh</i>
3	<b>1570531577:</b> Development of Potentiostat for Harmonic Current Measurement in Non_Linear Systems	Monika R and Ramesh Pazhayannur Venkitaraman <i>CSIR-CECRI</i>
4	<b>1570533602:</b> Analysis of low power novel SRAM design with self-biasing approach for ultra-low power applications	Pavankumar Bikki and Muppa Annapurna <i>NIT, Andhra Pradesh</i>
5	<b>1570529128:</b> Performance Analysis of Underlap Double Gate Oxide Stacked Junction less MOSFET for Analog and RF Applications	Amit Bhattacharyya and Debashis De <i>Haldia Institute of Technology, Westbengal</i>
6	<b>1570525012:</b> Design Fabrication and Characterization of Transceiver for Wide band System	Saket Kumar, Rajarshi Bhattacharya and Debalina Ghosh <i>MIT, Muzaffarpur</i>
7	<b>1570531550:</b> Design of Frequency Reconfigurable Hexagonal Antennas for WLAN Applications	Rahul Singhal, Abhishek Joshi and Lokesh Kumar Verma <i>BITS Pilani, India</i>

