

# NCTT 2017

## Schedule

### Dept : Electronics and Communication Engineering

<b>Stream</b>	<b>Applied Electronics and Instrumentation</b>
<b>Venue</b>	<b>Seminar Hall</b>
<b>Date</b>	<b>21/07/2017 Friday</b>
<b>Time</b>	<b>1.30 pm – 4.30 pm</b>

Sl.No:	Paper ID	Paper Title	Authors
1	215	Trapezoidal Triangular Carrier Based Pulse Width Modulation Scheme For Multilevel Inverters	Aswathy Radhakrishnan A Shiny G
2	414	Floating Active Inductor Based LC filter Realization	Sruthy M V Sumam M J
3	427	MULTIPLIERLESS PROGRAMMABLE FIR FILTER ON FPGA	Aiswarya G Lalu V
4	430	Carrier based Discontinuous Pulse Width Modulation Scheme for a Three Level Inverter	Aparna D S Shiny G
5	433	VLSI Architecture for Modified Encoding and Compression using Golay Code and RLE	Nikitha H Lalu V

<b>Stream</b>	<b>Applied Electronics and Instrumentation</b>
<b>Venue</b>	<b>Seminar Hall</b>
<b>Date</b>	<b>22/07/2017 Saturday</b>
<b>Time</b>	<b>9.30 am – 12.30 pm</b>

Sl.No:	Paper ID	Paper Title	Authors
1	14	Segmentation of LiDAR Point Cloud Data for Airborne Applications	Unnikirishnan P Ciza Thomas
2	121	Leak Detection In Water Distribution Pipelines	Elsa Sharu Johnson Binu L S
3	329	Retrofitting of a conventional turning setup to a multitaskingsetup for precision machining applications	Binu P Binu L S
4	420	Retinal Image Analysis For The Screening Of Diabetic Retinopathy Using Binary Pattern Variants	Sreelekshmi I Sivakumar R
5	422	Radio Over Fiber Systems Implementing Fiber Bragg Grating and EDFA : Performance Comparison using DPSK and DQPSK Modulation Schemes	Sreehari B Nair Dorothy A

<b>Stream</b>	<b>Microwave and Television Engineering</b>
<b>Venue</b>	<b>PG Seminar Hall</b>
<b>Date</b>	<b>21/07/2017 Friday</b>
<b>Time</b>	<b>1.30 pm – 4.30 pm</b>

Sl.No:	Paper ID	Paper Title	Authors
1	61	Botnet Detection from DNS Traffic Using Periodicity Analyzer	Shanib P Ciza Thomas
2	104	Detection of Spam using Recurrent Pattern Identification and Time Zone Analysis	Divya B Ciza Thomas
3	143	MEMS BASED POLARISATION MODE DISPERSION COMPENSATOR	Pournami P S Jayakrishnaraj G
4	175	Digitized RoF Technique using photonic ADC For Fiber-Radio Systems	Reshma I V Pradeep R
5	224	FBG Based Distortion Suppression in RoF Communication Systems	Anu Wilson Pradeep R

<b>Stream</b>	<b>Microwave and Television Engineering</b>
<b>Venue</b>	<b>PG Seminar Hall</b>
<b>Date</b>	<b>22/07/2017 Saturday</b>
<b>Time</b>	<b>9.30 am – 12.30 pm</b>

Sl.No:	Paper ID	Paper Title	Authors
1	127	Bandwidth Enhanced Rectangular Dielectric Resonator Antenna for X-Band Applications	M S Vaishnavi Sanoj Viswasom
2	182	Artificial Noise Injection Incorporated with Cooperative Relaying Technique to Improve Physical Layer Security	Aswathy Valsan Susan R J
3	200	Energy Efficient Outdoor Femtocell	Preethika S Asha Murali
4	206	EFFECT OF ARCHITECTURAL LAYOUTS AND BUILDING MATERIALS IN DEPLOYING FEMTOCELLS	Anna D Manjaly Asha Murali
5	209	Performance Analysis of Microstrip Line Feed Cylindrical Dielectric Resonator Antenna	Arya L V Sanoj Viswasom

<b>Stream</b>	<b>Signal Processing</b>
<b>Venue</b>	<b>Conference Room</b>
<b>Date</b>	<b>21/07/2017 Friday</b>
<b>Time</b>	<b>1.30 pm – 4.30 pm</b>

Sl.No:	Paper ID	Paper Title	Authors
1	93	Object Removal Using a Combination of Exemplar-based and Diffusion-based Inpainting Techniques	Nikita K Murali Sreeni K G
2	118	Malayalam handwritten character Recognition using SVM	Suneera S V V Sasikumar
3	207	Automatic segmentation of EDI-OCT image of choroid using active contour model and GMM	Shameena K K Neetha George
4	331	Multi-modal Biometric Authentication with Multi-algorithm	Fathima N Smitha Satheesh
5	348	A Reversible Data Hiding Technique by Pre Allocating Textured Regions in Encrypted Domain	Anjana Dev S Reeha K R
6	393	Diagnosis of Alzheimer's Disease from MRI Images	Nimmy Ann Mathew Anurenjan P R

<b>Stream</b>	<b>Signal Processing</b>
<b>Venue</b>	<b>Conference Room</b>
<b>Date</b>	<b>22/07/2017 Saturday</b>
<b>Time</b>	<b>9.30 am – 12.30 pm</b>

Sl.No:	Paper ID	Paper Title	Authors
1	94	Tumor Growth Detection from 3D Reconstruction of Brain MRI Images	Neenu Prakash K V Sreeni K G
2	95	Digital Image Enhancement in Hazy Underwater Environment using UDCP and Mix-CLAHE Techniques	Anjali Ranjan Sreeni K G
3	114	Stationary Wavelet Transform Based Motion Artifact Removal in Ambulatory ECG Signals	Vandana C R Jiji C V
4	190	Retinal Blood Vessel Extraction by combining COSFIRE and Generalized Linear Model	Veena V Sivakumar R
5	191	Spatial Audio Rendering in Head Phones Using Truncated BRIRs	Anakha N A Suresh K
6	232	MDCT domain Audio compression using Compressive sampling	Shruthy P Suresh K

<b>Stream</b>	<b>Micro and Nano Electronics</b>
<b>Venue</b>	<b>Mini Seminar Hall</b>
<b>Date</b>	<b>21/07/2017 Friday</b>
<b>Time</b>	<b>1.30 pm – 4.30 pm</b>

Sl.No:	Paper ID	Paper Title	Authors
1	37	A First Order Sigma Delta Modulator Design and Variability Analysis	Anu Antony Ajayan K R
2	126	Variability Analysis in 28nm MOSFET	Vrinda Damodaran Ajayan K R
3	160	The Study and Analysis of Variation of GATE Spacing in an AIRGAP MOSFET gas sensor	Arya Prabha R Ajayan K R
4	123	Effect Of Saturable Absorbers In Nonlinear Fiber Optics	Alvin Alphonse Dorothy A
5	141	A Compact Model of Bendable MOSFET for Aging Analysis	Nisi Prakash Ajayan K K

<b>Stream</b>	<b>Micro and Nano Electronics</b>
<b>Venue</b>	<b>Mini Seminar Hall</b>
<b>Date</b>	<b>22/07/2017 Saturday</b>
<b>Time</b>	<b>9.30 am – 12.30 pm</b>

Sl.No:	Paper ID	Paper Title	Authors
1	125	Equivalence Checking of Majority Inverter Graphs	Abhiram Kambrath Ajayan K K
2	164	Design and Sensitivity Analysis of 3D interdigitated capacitive type MEMS Accelerometer Using PolyMUMPs Technology	Sruthi Lakshmi P S Shajahan E S
3	222	A Gain and Phase Margin Enhancement Technique for Recycling Folded Cascode Amplifier	Anupama A Sumam M J
4	154	Vibration Analyzer For Detection of Chatter Vibration In Lathe machine with MEMS based sensor	Aravind M Shajahan E S
5	226	Reconfiguration of Filters using RF MEMS Switches	Pinky Ram Shajahan E S