

National Conference on Technology & Society (NCTS 2K17)

Department of Electronics & Communication Engineering and Department of Electrical Engineering of Camellia Institute of Technology have Organized National Conference on Technology & Society (NCTS 2K17) On February 23rd and 24th, 2017, in association with IET as Knowledge Partner.

Prof. (Dr.) A. K. Raychaudhuri, who is a Distinguished Professor (Emeritus), S. N. Bose National Centre for Basic Sciences, Formerly Director- National Physical Laboratory, New Delhi, Professor-Indian Institute of Science, Bangalore, Director -S. N. Bose National Center for Basic Sciences is the Chief Guest in this conference.

The other dignitaries are, Prof. (Dr.) Bhaskar Gupta, Department of Electronics & Telecommunication Engineering, Jadavpur University, Prof. (Dr.) Partha Pratim Sarkar, Department of Engineering & Technological Studies, University of Kalyani, Prof. (Dr.) Rajat Kumar Pal, Department of Computer Science & Engineering, Calcutta University, Prof. (Dr.) Chandan Kr. Chanda, Department of Electrical Engineering, IEST, Shibpur, Prof. (Dr.) Arup Bhowmick, Principal, RCC Institute of Information Technology, Prof. (Dr.) Soma Barman Mondal, Institute of Radiophysics & Electronics, University of Calcutta, Prof. (Dr.) Madhurima Chattopadhyay, Department of AEIE, Heritage Institute of Technology, Dr. Manideepa Roy, former Chairperson, WIE.

Program Schedule

Day 1 (23.02.2017)	
Time	Event
09.30 am – 10.00 am	Registration
Inaugural Session 10.00 am – 11.00 am	a. Introduction by Prof. (Dr.) J. Roy , Chairman IQAC, CIT
	b. Inaugural Song
	c. Recitation
	d. Welcome Speech by Prof. Avijit Das , Director, CIT
	e. Lighting the Lamp
	f. Speech by Chief Guest, Prof. (Dr.) A. K. Raychaudhuri , Distinguished Professor (Emeritus), S. N. Bose National Centre for Basic Sciences
	g. Vote of thanks by Prof. (Dr.) Sanghamitra Chatterjee , Principal, CIT
11.00 am – 11.15 am	Tea Break
Technical Session 1 11.15 am – 01.30 pm	a. Speech by Prof. (Dr.) Partha Pratim Sarkar , Department of Engineering & Technological Studies, University of Kalyani (Key Note Speaker)
	b. Speech by Prof. (Dr.) Madhurima Chattopadhyay , Department of AEIE, Heritage Institute of Technology (Session Chair)
	c. Presentation of Papers
	d. Conclusion by Session Chair
01.30 pm – 02.00 pm	Lunch
Technical Session 2 02.00 pm – 05.00 pm	a. Speech by Prof. (Dr.) Bhaskar Gupta , Department of Electronics & Telecommunication Engineering, Jadavpur University (Key Note Speaker)
	b. Introduction by Prof. (Dr.) Sanghamitra Chatterjee , Principal, CIT (Session Chair)

	c. Presentation of Papers
	d. Conclusion by Session Chair
	** Tea Break at 04.00 pm
Day 2 (24.02.2017)	
11.00 am – 11.10 am	Introductory Speech by Principal
Technical Session 3 11.10 am – 01.30 pm	a. Speech by Prof. (Dr.) Rajat Kumar Pal , Department of Computer Science & Engineering, Calcutta University (Key Note Speaker)
	b. Speech by Prof. (Dr.) Arup Bhowmick , Principal, RCC Institute of Information Technology (Session Chair)
	c. Presentation of Papers
	d. Conclusion by Session Chair
	A Parallel Technical Session 3S will be run under Prof. (Dr.) Chandra Mohan Khan , HOD, Dept. of EE, CIT
	** Tea Break at 12.00 noon
01.30 pm - 02.00 pm	Lunch
Technical Session 4 02.00 pm - 04.45 pm	a. Speech by Prof. (Dr.) Chandan Kr. Chanda , Department of Electrical Engineering, IEST, Shibpur (Key Note Speaker)
	b. Speech by Prof. (Dr.) Soma Barman Mondal , Institute of Radiophysics & Electronics, University of Calcutta (Session Chair)
	c. Presentation of Papers
	d. Conclusion by Session Chair
	A Parallel Technical Session 4S will be run under Prof. (Dr.) Biswajit Sinha , CIT
	** Tea Break at 04.00 pm
04.45 pm - 05.00 pm	Valedictory Session - Certificate & Prize Distribution by Ex Chair Dr. Monideepa Roy , IEEE, WIE Conclusive Speech by Principal Convener, Prof. Uttam Kumar Dey , HOD, Dept. of ECE

IEEE WIE has awarded Three papers, as follows:

Best Research Scholar Paper Award:

Design and Analysis of Ternary Logic Gates and Combinational Circuits in 180nm CMOS

Soumita Haldar Chakraborty, Suman Haldar

Neotia Institute of Technology, Management and Science

Best Student Paper Award:

Mind Controlled Automation System with EEG

Shrisom Laha, Subhankar Mahindar, Sandipan Deb, Koushik Hati, Dibyendu Sur

Narula Institute of Technology

2nd Best Student Paper Award:

STUDYING AND OVERCOMING THE PROBLEMS IN PRODUCTION, IN A SMALL SCALE INJECTION MOULDING COMPANY

Vaskar Ranjan Biswas, Ajit Mondal, Bholananda Bhowmik

Camellia Institute of Technology

List of Papers

Sl. No.	Name	Author/s
1	A Two Layer Frequency Selective Surface for Dual Band Applicatons	Snehasish Saha, Nurnihar Begam, Sushanta Sarkar, Sushanta Biswas, Partha Pratim Sarkar
2	Design of a Curved FSS providing stable response with variation of incident angles	Nurnihar Begam, Snehasish Saha, Poulami Sammadar, D. Sarkar, P.P Sarkar
3	Effect of Increment of Slit on Compactness of Frequency Selective Surfaces	Nilesh Mukherjee, Dhiman Biswas, Manoj Pain, Debasree Sarkar, Partha Pratim Sarkar
4	Enhancement of Bandwidth of a Microstrip Antenna using Modified Radiating and Ground Planes	Sukabya Dan, Manoj Pain, Debasree Sarkar, Partha Pratim Sarkar
5	Investigation on a Dual band Compact Microstrip Antenna	Priyabrata Biswas, Srija De, Sunandan Bhunia, Sushanta Biswas, Partha Pratim Sarkar
6	Mind Controlled Automation System with EEG	Shrisom Laha, Subhankar Mahindar, Sandipan Deb, Koushik Hati, Dibyendu Sur
7	Development of an Intruder Detection Technique Using LDR	Dibyendu Sur, Sananda Das, Ahana Sengupta
8	Design of a Stress Detection Mechanism using ECG	Dibyendu Sur, Swarup Das Gupta, Debajyoti Gupta Sharma, Krishnendu Chowdhury, Pranay Das
9	Formation of Protein Micro-Spherulites: Thermal Aggregation of Bovine β -Lactoglobulin with Metal Ions	Jishnu Chakraborty ¹ , Umesh Chandra Halder ²
10	Equivalent Model of p53 pathway using Boolean Network	Mala Sur, Sanghamitra Chatterjee, Soma Barman Mondal
11	A Review on Mobile Ad Hoc Network and its Routing Protocols	Raj Kumar Mohanta, Binapani Sethi
12	Designing Over-Current Relay Logic in MATLAB	P. Maji, G. Ghosh
13	Design and Analysis of Ternary Logic Gates and Combinational Circuits in 180nm CMOS	Soumita Halder Chakraborty, Suman Haldar
14	A Brief Study To Cloud	Mr. Subham Chakraborty, Mr. Sayan Das, Syamal Patra
15	Microcontroller based system for Power factor Control of Squirrel Cage Induction Motor (SCIM)	Dr. GAUTAM TARAFDER, Mr. GOUTAM DEBNATH
16	Dynamic Model Analysis of a DC Motor in MATLAB	Pratyusha Biswas Deb, Oindrila Saha, Sajan Saha, Shaon Paul
17	PI-D and I-PD Controller Design for a Two Loop Lateral Missile Autopilot in Pitch Plane	Biraj Guha
18	Application of a Programmable Logic Controller in a Paint Preparing Industry	Sajan Saha, Pratyusha Biswas Deb, Oindrila Saha
19	Deterioration of aquatic environment by disposal of plastic litter:a review	Trishna Sarkar, Koushik Saha
20	Soil Stabilization using Plastic Strips of Varied Sizes by enhancing the Bearing Capacity	Rituparna Das, Kankana Majhi, Champa Khatun, Arunabha Maiti
21	Study the Characteristics of Infrared Based Proximity Sensor Using FM Transmitter	Ayan Tripathi ¹ , Sk Anwar Ali ² , Saswata Sundar Laga ³
22	A Compact UWB Antenna With Dual Band-Notched Characteristics	Abu F.N.Rashid, Shabana Huda, Sanghamitra Chatterjee

23	Study of Binary Phase Shift Keying (BPSK) And Binary Frequency Shift Keying (BFSK) Characteristics through AWGN Channel with Same Signal to Noise Ratio (SNR) Using MATLAB and SIMULINK.	Siddhak Banerjee ¹ , Saswata Sundar Laga ²
24	STUDY AND ANALYSIS OF LOW POWER TRANSISTOR LEVEL 1-BIT FULL ADDER CELLS AND COMPATISON OF THEIR POWER EFFICIENCIES	Bhaskar Sarkar ¹ , Dhruvajyoti Adak ² , Rajib Pal ³ , Uttam Kumar Dey ⁴
25	Design and Simulation of Π (Pi) Shape Meta-material in Micro-strip Patch Antenna	Sayantan Mazumder ¹ , Saswata Sundar Laga ²
26	An alternate approach to economic generation for solving economic load dispatch problem for a multi machine system	Mrs. Amrita De, Pranab Mondal, Souradeep Chakraborty, Pradyumna Roy
27	A Review on Ford Fulkerson Graph Algorithm for Maximum Flow	Srijan Biswas ¹ , Saswata Sundar Laga ²
28	Measurement of Retinal Vascular Tortuosity for Diabetic Retinopathy Screening	Sourajit Chowdhury, Ujjwal Sarkar, Arijit Dawn, Sukdeb Paul, Tamal Kanti Das, Debasis Maji
29	Footstep Voltage Generator using Piezo-Electric Transducers	Shrimoyee Poddar, Mohuya Dutta, Debashree Chowdhury, Abhinaba Dey, Debasis Maji
30	STUDYING AND OVERCOMING THE PROBLEMS IN PRODUCTION, IN A SMALL SCALE INJECTION MOULDING COMPANY	Vaskar Ranjan Biswas ¹ , Ajit Mondal ² , Bholananda Bhowmik ³
31	SMART HOME TECHNOLOGY	Subhasree Mukherjee ¹ , Moumita Shall ² , Subhadip Datta ³ , Sanghamitra Chatterjee ⁴
32	A PROPOSED MODEL OF A SMART LIBRARY AT CIT	Bhaskar Sarkar ¹ , Prof. Sanghamitra Chatterjee ²
33	Study the Characteristics of Robust PID Controller for Time Delay System	Moumita Hait ¹ , Arka Mandal ² , Arnab Mondol ³ , Sumit Sha ⁴ , Saswata Sundar Laga ⁵
34	Study and Comparision of GSM Based Smoke Detection and Temperature Monitoring System using Microcontroller AT89S52 and Arduino	Biprajit Acharjee ¹ , Debasis Roy ² , Pradip Debnath ³ , Saswata Sundar Laga ⁴
35	Study on dependency of resonant frequency of a frequency selective structure on periodicity	Pragati Jaiswal ¹ , Swagata Chowdhury ¹ , Debashruti Das ¹ , Sayan Chakraborty ¹ , Manoj Kumar Pain ¹ , Partha Pratim Sarkar ²
36	RFID based Security System using Aurduino module	Dhruvajyoti Adak, Manoj Kumar Pain ¹ , Uttam Kumar Dey

ALBUM



From Left, Prof. Avijit Das, Dr. Partha Pratim Sarkar, Dr. Kalpana Sarkar, Dr. Madhurima Chattopadhyay



Dr. Arup Raychoudhury at podium, Prof. Avijit Das, Dr. Partha Pratim Sarkar, sitting



Dr. Bhaskar Gupta



Dr. Partha Pratim Sarkar



Participant



Participant



From Left, Dr. Soma Barman Mondal, Dr. Monideeba Roy, Dr. Arup Kumar Bhaumik



From Left, Dr. Rajat Kumar Pal, Dr. Chandan Kumar Chanda, Dr. Chandra Mohan Khan



Audience



Participant



Participant



Dr. Sanghamitra Chatterjee and Dr. Arup Kumar Bhaumik, distributing Certificates to the Participants