



SPIE. STUDENT CHAPTER
B.P. PODDAR
INSTITUTE OF
MANAGEMENT
& TECHNOLOGY

**Conference on
Information, Photonics & Communication
IPC'17**

Jointly Organized by
**Department of Electronics & Communication Engineering
&
SPIE Student Chapter
B.P.Poddar Institute of Management & Technology
15th -17th May 2017**

Schedule

Day 1: 15th May 2017 (Pre-Conference Workshop)

9:30 am-10:00 am	Registration
10:00 am -11:00 am	<i>Fiber Optic Communications : An Overview</i> Prof. Shila Ghosh, STCET
11:00 am - 11.15 am	Tea Break
11:15 am -12:15 pm	<i>LED Lighting System in India: Market Potential, Technology, Present & Future</i> Mr. Debabrata Chakrabarti, Vice President, SIMOCO
12:15pm-1:15pm	<i>Photonic Applications of Quantum Heterostructures</i> Prof. Chayanika Bose, Jadavpur University
1:15 pm-2:00 pm	Lunch
2:00 pm-3:00 pm	<i>Satellite Communication</i> Dr. K.S. Dasgupta, Former Director IIST, Thiruvananthapuram
3:00pm-4:00pm	<i>An Overview of Microwave Communication</i> Dr. Surajit Mandal, BPPIMT
4:00 pm-5:15 pm	<i>Hands-on experience of Advance Communication</i>
5:15 pm-5:30 pm	Tea

Day 2: 16th May 2017

10:00 am -10:30 am	<i>Inauguration</i> Chief guest: Padmashree Prof. Ajoy Kumar Ray, Director, IEST, Shibpur	
10:30 am -10:45 am	Tea Break	
10:45 am -11:45 am	<i>Modern Trends in Medical Imaging & Machine Intelligence</i> Prof. Ajoy Kumar Ray, Director, IEST, Shibpur	
11:45 am -12:45 pm	<i>Quantum information processing in communication and computation</i> Prof. A. K. Datta, former Professor, University of Calcutta	
12:45pm-1:45pm	<i>Optical Networks</i> Prof. Debasish Datta, IIT Kharagpur	
1:45 pm-2:30 pm	Lunch	
2:30 pm-5:30 pm	Oral Presentation	
Session I	2:30 pm-2:50 pm	IPC1702: “All optical logic OR/NOR gates using two symmetric micro-ring resonators” by Jayanta Kumar Rakshit, Gaurav Kumar Bharti, Kingshuk Debnath
	2:50 pm-3:10 pm	IPC1703: “An achromatic phase retarder in infrared region using calcite, crystalline quartz and KDP crystal for solar telescope” by Nilanjan Mukhopadhyay, Arijit Saha
	3:10 pm-3:30 pm	IPC1707: “Comparative study on Energy efficiency classification using different Machine Learning Algorithms” by Arnab Halder, Soumita Samaddar, Anindita Das
Session II	3:30 pm-3:50 pm	IPC1706: “Simple method for production of half-Fourier transform of an object transparency” by Pia Sarkar, Surajit Mandal
	3:50 pm-4:10 pm	IPC1715: “Sidelobe Reduction for Different Apodized Fiber Bragg Gratings” by Payel Halder, Arpan Deyasi
	4:10 pm-4:30 pm	IPC1722: “ Prediction of daylight availability due to CIE Standard skies prevailing in Indian climatic sky conditions” by Sutapa Mukherjee
Session III	4:30 pm-4:50 pm	IPC1710: “Algorithmic approach to design Single Strand DNA based OR Logic Gate” by Pradipta Roy, Debarati Dey
	4:50 pm-5:10 pm	IPC1713: “BER evaluation of different modulation techniques in OFDM over AWGN channel” by Nitu Kumari, Ayan Ghosh, Ashish K. Mahuri, S Nandi
	5:10 pm-5:30 pm	IPC1704: “Development of JAVA Package for Analyzing Bandwidth and Ripple in 1D PhC based Filter under Oblique Incidence” by Rahul Mukherjee, Pritam Dutta, Dibyaduti Gorai, Soumen Santra, Arpan Deyasi
5:30 pm	Tea	

Day 3: 17th May 2017

10:00 am -10:30 am	<i>Guided Non-photorealistic Rendering</i> Saumik Bhattachary	
10:30 am -11:30 am	Oral Presentation	
Session IV	10:30 am -10:50 am	IPC1705: “Watermarking of Multiple Color Images using Alpha

		Blending” Anirban Patra, Arijit Saha, Ajoy Kumar Chakraborty
	10:50 am -11:10 am	IPC1716: “An Approach for Security in IoT” by Dipmalya Sen, Pathik Roy Chowdhury
	11:10 am -11:30 am	IPC1724: “A study on decomposition and reconstruction of images using different wavelets” by Banhi (Dutta Choudhuri) Das, P. Mudi.
11:30 am - 11.45 am	Tea Break	
11:45 am -1:15 pm	<i>Are we listening enough?</i> Prof. Goutam Saha, IIT Kharagpur	
1:15 pm-2:00 pm	Lunch	
2:00 pm-4:00 pm	Oral Presentation	
Session V	2:00 pm-2:20 pm	IPC1708: “TCAD Assessment of Dual Material Gate Effects on Nanoscale Double Gate MOSFETs” by Arpita Panja, Kalyan Biswas
	2:20 pm-2:40 pm	IPC1709: “Calculating Edge-Direct Tunneling Current for nano-MOSFET” by Palak Saha, Subhajit Ghosh, Sudurima Banerjee, Moumita Saha, Arpan Deyasi
	2:40 pm-3:00 pm	IPC1723: “Design of a Real time Heart Rate monitoring system using myRIO and LABVIEW” by Souvik Pradhan, Samik Basu, Soumya Pandit, Soma Barman.
Session VI	3:00 pm-3:20 pm	IPC1720: “Nuclear structure of 102Ag from in-beam γ -ray spectroscopy” by D. Choudhury, R. Goswami, S.S. Ghugre, R. Raut and D. Pramanik
	3:20 pm-3:40 pm	IPC1714: “Design of substrate integrated waveguide 3dB double slot coupler” by Shubham, Wriddhi Bhowmik
	3:40 pm-4:00 pm	IPC1718: “LASER with its future aspects” by Sadaf Ali Nafees
4:00 pm-5:00 pm	Poster Presentation	
Session VII	IPC1711: “Literature Survey on Iris Image Segmentation” by Banhi (Dutta Choudhuri) Das , Sujata Pal (Sadhukhan)	
	IPC1712: “A comparative study on Front Illuminated Ge-GeSn-GeSnHetero-Phototransistors on Si Substrate at 1.55 μ m by SILVACO TCAD Simulator” by Vedatrayee Chakraborty, Swagata Dey, Bratati Mukhopadhyay	
	IPC1717: “Linear Antenna Array Synthesis And Null Control for Wi-Max Applications using an Improved Particle Swarm Optimization” by Joyanto Roychoudhary	
	IPC1719: “The design and implementation of PID Controller” by Sayani Basak , Priyobrato Banik, Sthitirupa Mazumder, Sayan Sarkar, Pushpendu Kanjilal	
	IPC1721: “Simulation and Characterization of Fiber Bragg Grating based sensor for temperature and strain measurement” by Shweta Das, Asmita Mukherjee, Sangita Nandan, Basudha Banerjee, Kalyan Biswas	
	IPC1725: Design of a low cost Bluetooth-controlled home automation system Sayanti Pahari, Shailayee Nandi, Vaibhaw Vishal, Shreya Chatterjee, Surajit Mandal	
	IPC1726: “ A novel technique of image compression using DWT” by Rajdeep Saha, Shalini Chakraborty, Sohini Pal, Souradeep Kundu	
	IPC1727: “Designing of an FM Generator in RF range” by Gaurav Paul, Chandan Kumar Modi ^a , Arindam Biswas, Abhishek Paul, Pushpendu Kanjilal , Dr. Bhaskar Som,	
	IPC1728: “Emotion Recognition-A Review” by, Rashmita Mishra. Mostafa.Sheikh, Dr. Ivy Majumdar.	
	IPC1729: “ Wearable Antenna” by Susmita Biswas	
	IPC1730: “ Study of OCDMA codes” By Raktima DebRoy, Prama Singha, M. Sarkar , S. Sikder	
	IPC1731: “A review paper on automatic analysis of Facial expression” by Sujata Pal (Sadhukhan) , Ivy Majumdar	
IPC1732: “Secured Smart Home Automation Using RFID” by Sumit Chakraborty, Supratim Mitra, Abhijoy Chaudhuri		
5:00 pm-5:30 pm	Valedictory Session	
5:30 pm	Tea	