

Schedule of 2nd International Conference on Computational Advancement in Communication Circuit and System (ICCACCS-2018)

Date: 23-11-2018

- 9:00 AM-10:00 AM:** Registration & Tea
- 10:00 AM-10:45 AM:** Inauguration
- 10:45AM-11:30AM** **Distinguished Lecture: Prof. Vijay Arora, Wilkes University, USA**
Session Chair: Prof. P. K. Banerjee
- 11:30 AM-12:15 PM:** Key Note 1 **Prof. Bhargab B. Bhattacharya, ISI Kolkata**
Session Chair: Prof. D. K. Bhattacharya
- 12:15 AM-1:00 PM:** Key Note 2 **Prof. LI-WEI KO, National Chiao Tung University, Taiwan**
Session Chair: Prof. M. R Kanjilal
- 1:00 PM-2:00 PM:** Lunch
- 2:00 PM-4:30 PM:** Technical Session 1 – Track 1 (Venue 1: Room No. 220)
Track 2 (Venue 2: Room No. 117)
Track 4 & Track 7 (Venue 4: Room No. 101)
- 4:30 PM-5:00 PM:** Tea

Date: 24-11-2018

- 9:30 AM-10:00 AM:** Registration
- 10:00 AM-10:45 AM:** Key Note 3: **Prof. Indranil Sengupta, IIT Khargapur**
Session Chair: Prof. J. K. Das
- 10:45 AM-11:00 AM:** Tea
- 11:00 AM-1:30 PM:** Technical Session 2 - Track 1 (Venue 2: Room No. 117)
Track 5 (Venue 1: Room No. 220)
Special Session on Quantum Computing: Pre-Lunch (Venue 3: Room No. 303)
- 1:30 PM-2:30 PM:** Lunch
- 2:30 PM-4:30 PM:** Technical Session 3 - Track 3 (Venue 1: Room No. 220)
Track 6 (Venue 2: Room No. 117)
Poster Presentation (Venue 4: Room No. 101)
Special Session on Quantum Computing: Post-Lunch (Venue 3: Room No. 303)
- 4:30 PM-5:00 PM:** Valedictory & Distribution of Certificates

Day 1: November 23, 2018 (2:00 PM-4:30 PM)			
Track – 1, Session 1: Venue 1 (Room No. 220)			
Modeling of Energy Systems			
Sl. No.	Paper ID	Title of Paper	Author
Invited Talk 1: Dr. Abhinandan De , IEST Shibpur Session Chair: Prof. Sukumar Chandra Konar Session Chair: Prof. Satyen Biswas			
1	05	Congested Power Transmission System in a Deregulated Power Market	Bishaljit Paul, Chandan Kumar Chanda, Jagadish Pal, Manish Kumar Pathak
2	13	Integration of DSTATCOM and Distributed generation with Non linear loads	Mukul Anand, Amit Kumar, Rahul Dev, Dr Pradeep Kumar
3	19	Comparison of improvement in technical, commercial & environmental benefits by optimal single, twin & triple point deterministic PV based DG injection by Jaya Algorithm	Anirban Chowdhury, Ranjit Roy, Kamal Krishna Mandal, Soumyajit Bhattacharya, Priyankar Biswas, Sayani Nandy
4	20	Optimal reactive power dispatch incorporating solar power using JAYA algorithm	Tanmay Das, Ranjit Roy, Kamal Krishna Mandal , Souren Mondal, Soumaymoy Mondal, Paresh Hait, Moloy Kumar Das
5	22	Bat Algorithm based Transmission Expansion Planning	P. Das, P.S.Bera, P.Biswas
6	24	Emergency Restoration based on Priority of Load Importance using Floyd-Warshall Shortest Path Algorithm	Dipu Sarkar, Maitrayee Chakrabarty, Abhinandan De, Sanjay Goswami
7	62	Design and Fabrication of Solar Powered Water Pumping System for Irrigation	Pronami Mukherjee, Tapas Kumar Sengupta

Day 1: November 23, 2018 (2:00 PM-4:30 PM)			
Track – 4 & Track - 7, Session 1: Venue 4 (Room No. 101)			
Network Security & Cryptography, Reconfigurable Computing			
Sl. No.	Paper ID	Title of Paper	Author
Invited Talk 2: Dr. Moumita Mukherjee , Adams University Session Chair: Dr. LI-WEI KO Session Chair: Prof Dulal Acharya			
1	54	MVTRNG: Majority voter based crossed loop Quantum True Random number Generator in QCA Nanotechnology	Arindam Sadhu ,Kunal Das, Debashis De, Maitreyi Ray Kanjilal
2	60	Applying Encryption Algorithm on Text Steganography Based on Number System	Kunal Kumar Mandal, Siddhartha Chatterjee, Avishek Chakraborty, Saptarshi Mondal, SaikatSamanta
3	66	AVR microcontroller based error-free public addressing system	Suvmoy Bhattacharyya, Partha Sarkar, Arijit Sen, Ashesh Sinha, Sandip Chanda
4	67	Prototype model for controlling of soil moisture and pH in smart farming system	Suvmoy Bhattacharyya, Partha Sarkar, Sharthak Sarkar, Ashesh Sinha, Sandip Chanda

Day 1: November 23, 2018 (2:00 PM-4:30 PM)			
Track – 2, Session 1: (Venue 2: Room No. 117)			
Cloud Computing, Internet on Things, Machine Learning and Big Data Analytics			
Sl. No.	Paper ID	Title of Paper	Author
Invited Talk 3: Prof. Debashis De, MAKAUT Session Chair: Dr. Kunal Das Session Chair Dr. Prabir Aditaya			
1	03	Mining Social Network Data for Predictive Personality modelling by employing Machine Learning Techniques	Arjun Sengupta, Anupam Ghosh
2	06	An ensemble learning-based language identification system	Himadri Mukherjee, Sahana Das, Ankita Dhar, Sk Md Obaidullah, K.C. Santosh, SantanuPhadikar, Kaushik Roy
3	26	Kinect Sensor Based Single Person Hand Gesture Recognition for Man- Machine- Interaction	Biswarup Ganguly, Priyanka Vishwakarma, Shreya Biswas, Rahul
4	59	Artificial Intelligence based economic control of microgrids: A review of application of IoT	Promila Das, Sandip Chanda, A. De
5	70	Analysis of Heart Rate Variability to Understand the Immediate Effect of Smoking on the Autonomic Nervous System Activity	Prerana Talukdar, Suraj Kumar Nayak, Dibyajyoti Biswal, Anilesh Dey, Kunal Pal
6	71	A survey Paper on Approaches & Tools used in Sentiment Analysis	Monu Bhagat, Dr. Dilip Kumar
7	72	Recurrence Quantification Analysis of Electrocardiogram Signals to Recognize the Effect of a Motivational Song on the Cardiac Electrophysiology	Swatilekha Paul, GitikaYadu, Suraj Kumar Nayak, Anilesh Dey, Kunal Pal

Day 2: November 24, 2018 (11:00 AM-1:30 PM)			
Track – 1, Session 2: Venue 2 (Room No. 101)			
Modeling of Energy Systems			
Sl. No.	Paper ID	Title of Paper	Author
Invited Talk 4: Prof. Shib Shankar Saha, Session Chair: Dr. Sandip Chanda Session Chair:Prof. Amlan Chakrabarti			
1	42	Detection and Classification of Faults on the Transmission Line Using Lissajous Figure	Sayan Das, Arkadeep Mondal, Bikash Patel
2	50	Performance Analysis of a Distribution System Using D STATCOM	Kamalika Banerjee, Pratyusha Biswas Deb, Dipu Mistry, Pallav, Dutta, Arpita Mondol
3	37	Fault Detection During Power Swing Using Fast Discrete S-transform	Arkadeep Mondal
4	64	Modelling and Design of Maximum Power Point Tracking Algorithm Applicable to DC-DC Boost Converter	S. Deb, A. Mitra, A. Ghosh
5	69	Power Grid Generation with Tectonic Mechanism Wind Energy Resources	Pratyusha Biswas Deb, Susmita Das, Arnima Das, Ronojit Bose, Aritra Das, Prof. Dr. Maitreyi Ray Kanjilal

Day 2: November 24, 2018 (11:00 AM-1:30 PM)			
Track – 5, Session 2: Venue 1 (Room No. 117)			
VLSI and Image Processing			
Sl. No.	Paper ID	Title of Paper	Author
Invited Talk 5: Prof. Satyen Biswas, Ahsanullah University of Science and Technology Session Chair: Dr. Kamalika Datta Session Chair: Shri Debashis Majumder			
1	02	Four Directional Detection Based Gaussian Noise Removal	Shubhendu Banerjee, Aritra Bandyopadhyay, Rajib Bag, Atanu Das
2	09	Comparative Analysis of 6T SRAM Cell In Terms Of Power Using SGMOS And DGMOS	Srabani Das (Roy), Saradindu Panda, Gourav Chakraborty
3	12	Low Power FPGA based Hardware Implementation of Reversible Watermarking Scheme for Medical Image	Poulami Jana, Amit Phadikar
4	29	A new Approach towards Invariant Shape Descriptor tools for Shape Classification through Morphological Analysis of Image	Soumen Santra, Surajit Mandal
5	47	A Variable Delay Circuit to develop Identical Rise/Fall time in the Output	Pritam Bhattacharjee, Alak Majumder
6	53	Algorithms for Minimizing Bottleneck Crosstalk in Two-Layer Channel Routing	Tarak Nath Mandal, Ankita Dutta Banik, Kaushik Dey, Ranjan Mehera, Rajat Kumar Pal
7	55	Design and Comparative Analysis of Low Power High Speed 3-bit Flash ADC for Biomedical Signal Processing using 45 nm CMOS Technology	Firojuddin Sk, Soumen Pal, Puspak Pain
8	86	A New hybrid Memory cell based on Four Transistors and one Memristor (4T1M)	Satyendra Nath Biswas, Mohammad Nazmus Sakib

Day 2: November 24, 2018 (2:30 PM-4:30 PM)			
Track – 3, Session 3: Venue 1 (Room No. 220)			
Communication			
Sl. No.	Paper ID	Title of Paper	Author
Invited Talk 6: Prof. I-Fang Chung, National Yang-Ming University Taiwan Session Chair Prof. P. K. Banerjee Session Chair: Dr. Saradindu Panda			
1	07	Meteorological Parameter Studies during 6th December 2016 Indonesia Earthquake (Mw 6.5)	Pranab Hazra, Suman Paul, Shreya Chatterjee, Anindita Chandra
2	16	M-CSMA/CA : A Novel Protocol for White Space Identification in Cognitive Radio Networks	Subhasree Bhattacharjee, Bhaskar Sardar, Swaroop Mondal
3	28	WARP Test Bed Implementation of Lag order and Data Length optimized AR Spectrum Estimation Algorithm	Debashis Chakraborty, Salil K. Sanyal
4	38	Detection of Black Hole Attack in Delay-Tolerant Network	Chandrima Chakrabarti, Ananya Banerjee, Anirban Das, Souradip Ganguly, Somraj Mukherjee, Rohan Dutta, and Jagriti Chourasia
5	56	Unvoiced speech recognition using dynamic analysis of EMG signal	ParomitaDas, Biswarup Neogi, Aniruddha Chandra, Anilesh Dey
6	58	Study the Effect of Cognitive Stress on HRV Signal Using 3D Phase Space Plot in Spherical Co-ordinate System	Sudhangshu Sarkar, Pallav Dutta, Aniruddha Chandra, Anilesh Dey
7	68	Application of Higher Order Compact (HOC) FDM in combination with Successive Over Relaxation (SOR) method in Optical Waveguide Communication problems	Anup Kumar Thander , Sucharita Bhattacharyya
Day 2: November 24, 2018 (2:30 PM-4:30 PM)			

Track – 6, Session 3: Venue 2 (Room No. 117)			
Nano Technology			
Sl. No.	Paper ID	Title of Paper	Author
Invited Talk 7: Prof. Sanatan Chattopadhyay, Calcutta University Session Chair: Prof. Vir Singh Session Chair: Dr. Sumit Nandi			
1	14	Influence of Gate and Channel Engineering on Multigate Tunnel FETs: A Review	Ritam Dutta, Sukumar Chandra Konar, Nitai Paitya
2	30	Quantitative Structure Activity Relationship (QSAR) study of some DNA –intercalating anticancer drugs	Indrani Sarkar, Sanjay Goswami, Paushali Majumdar
3	31	To Explore Compounds as Tuberculosis Inhibitors – A Combination of Pharmacophore Modeling, Virtual Screening and Molecular Docking Studies	Indrani Sarkar, Sanjay Goswami, Paushali Majumdar
4	33	Physical Proof and Simulation of Ternary Logic Gate in Ternary Quantum Dot Cellular Automata	Puspak Pain, Arindam Sadhu, Kunal Das, Maitreyi Ray Kanjilal
5	41	Optical properties of Fe doped ZnO thin film on p-Si by spin coating	Amalendu Bera, Sourav Chattopadhyay

Day 2: November 24, 2018 (2:30 PM-4:30 PM)			
Track – 2 & Track - 4, Session 3: Venue 3 (Room No. 101)			
Poster Presentation on Cloud Computing, Internet on Things, Machine Learning and Big Data Analytics, Nano Technology			
Session Chair: Prof. B.K. Medya Session Chair: Prof. S. Sanyal Session Chair: Dr. Anilesh Dey			
Sl. No.	Paper ID	Title of Paper	Author
1	27	Microcontroller Based Robotic Arm Development for Library Management System	Bodhisatwa Barma, Samrat Ghosh , Abhrodip Chaudhury, Biswarup Ganguly
2	36	Role of Sensor Network in Health Monitoring	Aritri Chakraborty, Koushik Karmakar, Ananya Banerjee
3	51	Modern Applications of Cloud Security in ad-hoc Network	Sarasij Majumdar , Freya Saha, Soumen Santra
4	15	Reliability of Online Shopping Websites	Debjani Chakraborty, Ananya Banerjee, Akash Sengupta

Special Session on Quantum Computing will be held at Seminar Hall (Room No. 303)

Session Chair: **Prof. S. Sanyal (Pre lunch)**

Session Chair: **Prof. J. K. Das (Post Lunch)**

SheshaShayee Raghunathan, Ph.D Advisory R & D Engineer/IBM Q Ambassador, Development Lab, IBM Systems	Prof. Susmita Sur-Kolay Indian Statistical Institute, Kolkata India	Prof. Bhargab B. Bhattacharya Indian Statistical Institute, Kolkata India	Dr. Kamalika Datta NIT Meghalaya
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