

INTEGRAL UNIVERSITY, LUCKNOW

Departments of Electronics & Communication Engineering, Electrical Engineering & Physics

Presents

“IEEE International Conference

On

Computational and Characterization Techniques in Engineering & Sciences

(CCTES-18)

September 14-15, 2018

PROGRAMME SCHEDULE

Friday, September 14, 2018 (DAY-1)

Venue: IU Auditorium (Central), Integral University, Lucknow

09:00AM -10:00AM

Registration

Inaugural Session (10:00AM-11:00AM)

September 14,2018 (Friday)

10:00 AM –10:05 AM	Inauguration & Bouquet Presentation
10:05 AM –10:10 AM	University Tarana
10:10 AM –10:15 AM	Welcome address by Prof. S.Hasan Saeed , Conference General Chair, Convener & Head ECE, Integral University, Lucknow.
10:15 AM –10:20 AM	Address by Dr. Syed Nadeem Akhtar , Dean, Faculty of Engineering & DPR, Integral University, Lucknow.
10:20 AM –10:25 AM	Address by Prof. Aqil Ahmad , Vice Chancellor (Acting), Integral University, Lucknow
10:25 AM –10:35AM	Address by Prof. S.W.Akhtar , Hon’ble Chancellor, Integral University, Lucknow
10:35 AM –10:45 AM	Address by Prof. Ing. Sian Lun Lau Sian , Associate Dean (Academics), Malaysia
10:45 AM –10:55 AM	Address by Guest of Honor Dr. Khalid Khan , CEng. Lead Functional Architect, Bombardier Transportation, Derby, UK
10:55 AM –11:00 AM	Release of CCTES-18 Souvenir
11:00 AM –11:05 AM	Presentation of Mementos
11:05 AM –11:10 AM	Vote of Thanks by Dr. Monauwer Alam , Convener & Head EE, Integral University
	National Anthem
11:15 AM –11:30 AM (Refreshment Break)	

September 14, 2018 (Day-1) Plenary & Technical Session-I

Venue	Central Auditorium			
11:30 AM–12:15 PM	Key-Note-1: Dr. Ing Sian Lun Lau, Malaysia			
12:15 –01:00 PM	Key-Note-2: Dr. Khalid Khan, CEng. Lead Functional Architect, UK			
01:00 –01:45 PM	Key-Note-3: Prof. R. K. Srivastava, IIT, BHU, Varanasi			
Venue	Central Auditorium	IU Auditorium (HALL-1)	IU Auditorium (HALL-2)	Simulation Lab, Academic Block-I
	Advanced Computing, Software Engineering & IOT	Data Communication and Signal Processing	Electronics and Communication	SS Application of Power Electronics in Renewable Energy Systems

01:45 -02:45 PM LUNCH BREAK

02:45 -05:00 PM	Paper IDs	CCTES-18__ _	CCTES-18__ _	CCTES-18__ _	CCTES-18__ _
	Session Chair	Dr. Dheerendra Pandey, BSBA University, Lucknow	Dr. Ram Chandra Singh Chauhan, IET, Lucknow	Prof. Manish Gupta, COE, BBD University, Lucknow	Dr. Farhad Ilahi Bakhsh, BGSB University, Rajouri, J & K
	Session Chair	Dr. Devesh Katiyar, Dr. SMNR University, Lucknow	Dr. Romita Khurana MJP Rohilkhand University, Bareilly/Dr. Alka Baba Saheb Bhimrao Ambedkar University, Lucknow	Mr. Asif Siddiqui, Manager, ISTRAC, ISRO, Govt. of India, Lucknow	Mr. Sachidananda Sahoo, ISTRAC, ISRO, Govt. of India, Lucknow
	Rapporteur	Dr. Mohd. Haroon, Integral University, Lucknow	Dr. Shailendra Kumar, Integral University, Lucknow	Dr. Savita Maurya, Integral University, Lucknow	Dr. Mohammed Asim, Integral University, Lucknow

Venue	IU Auditorium (HALL-3)	IU Auditorium (HALL-4)	Seminar Hall, Academic Block-II
	Power Engineering, Digital Control System, Control System & Materials	Renewable and Sustainable Energy	Cybersecurity & IPR

02:45 -05:00 PM	Paper IDs	CCTES-18__ _	CCTES-18__ _	CCTES-18__ _
	Session Chair	Prof. R. K. Srivastava, IIT, BHU, Varanasi	Er. V.B.Singh, Council member & Ex. Chairman Institute of Engineers, Lucknow, India	Mr. Sanjay Pal, Scientist 'G' & Director, DRDO, Govt. of India
	Session Chair	Mr. Shyam Krishna Pandey, ISTRAC, ISRO, Govt. of India, Lucknow	Dr. D K Misra, ISTRAC, ISRO, Govt. of India, Lucknow	Prof. N.R.Kidwai, Dean JIT, Barabanki
	Rapporteur	Dr. Asif Jamil Ansari, Integral University, Lucknow	Dr. Mirza Mohd. Shadab, Integral University, Lucknow	Dr. Mohd Afroz Khan Integral University, Lucknow

05:00 PM High Tea

September 15, 2018 (Day-2) Plenary & Technical Session-II

IU Auditorium (HALL-1)

09:15 – 10:00 AM **Key-Note-1:** Prof. Ekram Khan, AMU, Aligarh

10:00 – 10:45 AM **Key-Note-2:** Dr. M.A.Ansari, GBU, Greater Noida

10:45 – 11:15 AM **Address By** H.I.Siddiqui, CEO, Typhoon HIL

11:15 AM – 11:30 AM **REFRESHMENT BREAK**

02:00 -03:00 PM **LUNCH BREAK**

Venue	Central Auditorium	IU Auditorium (HALL-1)	IU Auditorium (HALL-2)	Simulation Lab, Academic Block-I
	Advanced Computing, Software Engineering & IOT	Data Communication and Signal Processing	Electronics and Communication	SS Application of Power Electronics in Renewable Energy Systems

11:30 - 12:00 PM	Invited Talk-1	Invited Talk-2	Invited Talk-3	Invited Talk-4
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12:00 - 02:00 PM	Paper IDs	CCTES-18__ _	CCTES-18__ _	CCTES-18__ _	CCTES-18__ _
	Session Chair	Dr. Ing Sian Lun Lau, Malaysia	Prof. Ekram Khan, AMU, Aligarh, Ombudsman IEEE U.P.Section	Dr. Harsh Vikram Singh, KNIT, Sultanpur	Dr. Farhad Ilahi Bakhsh, BGSB University, Rajouri, J & K
	Session Chair	Dr. K.K. Singh, Amity University, Lucknow	Dr. M.A.Ansari, GBU, Greater Noida	Dr. Arun Singh, Asso. Prof. REC, Kannauj	Dr. Aslam Hussain, REC Ambedker Nagar/ Dr. Divya Sharma, Thapar University, Patiala
	Rapporteur	Dr. Mohd. Shahid Siddiqui, Integral University, Lucknow	Dr. Mohd. Faisal, Integral University, Lucknow	Dr. Savita Maurya, Integral University, Lucknow	Dr. Mohammed Asim, Integral University, Lucknow

Venue	IU Auditorium (HALL-3)	IU Auditorium (HALL-4)	Seminar Hall, Academic Block-II
	Power Engineering, Digital Control System, Control System & Materials	Renewable and Sustainable Energy	Cybersecurity & IPR

11:30 - 12:00 PM	Invited Talk-5	Invited Talk-6	Invited Talk-7
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12:00 - 02:00 PM	Paper IDs	CCTES-18__ _	CCTES-18__ _	CCTES-18__ _
	Session Chair	Dr. S.P.Singh, REC, Ambedker Nagar	Dr. D K Misra, ISTRAC, ISRO, Govt. of India, Lucknow	Prof. K.S.Verma, Former Director KNIT Sultanpur
	Session Chair	Dr. Puneet Joshi, REC, Ambedker Nagar	Dr. Mahendra Agnihotri, Lucknow University, Lucknow	Dr. Deepender Pandey, Amity University, Lucknow
	Rapporteur	Dr. Asif Jamil Ansari, Integral University, Lucknow	Dr. Ahmad Faiz Minai, Integral University, Lucknow	Dr. S. K. Nayak, Integral University, Lucknow

03:00 pm Onwards Valedictory in IU Central Auditorium

**IEEE International Conference Computational and Characterization Techniques in Engineering & Sciences
(CCTES-18) [14-15 September 2018]**

Time Slot	Date	Paper ID	Name of Authors	TITLE	Track
02:45 pm-03:00 pm	14-Sep-18	15	Satya Bhushan Verma and Chandran Saravanan	Performance Analysis of Various Fusion Methods in Multimodal Biometric	1
03:00 pm-03:15 pm		17	Sheeba Praveen and Devendra Agarwal	A Systematic Literature Review of Software Development Project Size Estimation Metric: OOFFP	1
03:15 pm-03:30 pm		184	Tom Pries, Roshan Jahan and Preetam Suman	Review of Brain Tumor Segmentation, Detection and Classification Algorithms in fMRI Images	1
02:45 pm-03:00 pm		24	Shantanu Trivedi and Dr. Kamlesh Kumar Singh	Performance Based Analysis of Image De-Noising Techniques	2
03:15 pm-03:30 pm		34	Aman Sinha, Zaheer Mirza and Sonia Behal	Yaw Bias Model for Earth Observation Spacecraft	2
03:30 pm-03:45 pm		98	Shweta Singh, Ashutosh Singh, Ashok Kumar Shankhwar and Princy Bajpai	A New Incentive Based Algorithm for Avoiding Free Riding in Peer To Peer Network	2
02:45 pm-03:00 pm		54	Raghuvendra Pratap Tripathi, Ankita Tiwari, G. R. Mishra and Dinesh Bhatia	Study of ECG Waveform and Development of an Algorithm for Removal of Power Line Interference	3
03:15 pm-03:30 pm		78	M Parvathi, T Hmiasree and T Bhavyasree	Novel Test Methods for NPSF Faults in SRAM	3
03:30 pm-03:45 pm		86	Rashmi Giri, Ashutosh Singh and Ashok Kumar Shankhwar	Performance Improvement in Cognitive Radio Using Even-Odd Technique In QAM Based K-Spectrum Sensing Scheme	3
03:45 pm-04:00 pm		101	Sachin Sharma, Vineet Kumar and K.P.S. Rana	Oscillation Detection in Control Loops Using PRONY Analysis	3
02:45 pm-03:00 pm		38	Dr Sahib Reddy, Sumit Mishra, Sudhanshu Gautam, Saurabh Bharti, Payal Vanshiwal and Sulabh Sachan	Performance Index Based Method to Sort Out the Severity of Lines	4
03:00 pm-03:15 pm		81	Md Parwez Alam and Amar Nath Sinha	Studies on Temperature Distribution in Friction Stir Welding of AA7075 T651	4

03:15 pm-03:30 pm	14-Sep-18	82	Sana Iqbal and Mohammad Ayyub	Improved Performance of Fuzzy Logic Controller to Control Dynamical Systems: A Comparative Study	4
03:30 pm-03:45 pm		84	Ismail M. Abuamer, Mohd Sadat and Chris M.J. Tampère	A Comparative Evaluation of Ramp Metering Controllers ALINEA and PI-ALINEA	4
02:45 pm-03:00 pm		60	Faizan. A. Khan, S.H. Saeed, Saifur Rahman, Mohammad Asim and P.R. Sarkar	Cost Optimization by Adding SPV Plant at Load End in a Grid Connected System	5
03:00 pm-03:15 pm		64	Saadullah Khan, Mohammad Saad Alam, M. S. Jamil Asghar, Mohd Aiman Khan and Ahmad Abbas	Recent Development in Level 2 Charging System for Xev: A Review	5
03:15 pm-03:30 pm		70	Yogesh Kumar Verma, Varun Mishra, Prateek Kishor Verma, Santosh Kumar Gupta and Rajeev Kumar Chauhan	Impact of Extrinsic Reliability Issues Including Radiation and Temperature on SIGE HBT	5
03:30 pm-03:45 pm		73	Neetan Sharma, Farhad Ilahi Bakhsh and Shivinder Mehta	Efficiency Enhancement of a Solar Power Plant using Maximum Power Point Tracking Techniques	5
02:45 pm-03:00 pm		87	Prasang Gadpale, Bhagyashree Umathe, Yash Malviya, Lobhus Mate and Sudhir Bhil	Application of Master Stability for Improvement in Synchronization in Complex Networks	6
03:00 pm-03:15 pm		167	Dr Dinesh Kumar Misra, Mirza Mohammad Zaheer and Anant Madhukar	Indigenous Network Monitoring System (NMS)	6
03:15 pm-03:30 pm		186	Neha Mahendra and Mohd. Muqem	An Approach for the Inception of Security Testing in the Early Stages of Software Development	6
02:45 pm-03:00 pm		61	Balkrishna Tulsyan and Zaheer Mirza Mohammad	Maximum Power Point Tracking Based Solar Charge Regulator	7
03:00 pm-03:15 pm		66	Mohammad Shahabuddin, Adil Sarwar, Mohd Asim, M M Shadab, Ahmed Riyaz and Anas Anees	Performance Based Analysis of Solar PV Emulators: A Review	7

Time Slot	Date	Paper ID	Name of Authors	TITLE	Track
12:00-12:15 pm	15-Sep-18	52	Sumita Mishra and Pallavi Asthana	IOT Enabled Real Time Bolt Based Indoor Air Quality Monitoring System	1
12:15-12:30 pm		58	Uday Singh, Dr. Shafeeq Ahmad and Manmohan Singh Yadav	Advance 1D Sensor Network Opportunistic Routing for Lifetime Enhancement by Adaptive Duty Cycling	1
12:30-12:45 pm		122	Surabhi Saxena and Devendra Agarwal	Model to Quantify the Quality of Correctness for Adoption of Effective E-Procurement Process	1
12:00-12:15 pm		107	Divya Sharma, Yogendra Kumar Prajapati and Anurag Upadhyay	16×40 Gb/S, 32×40 Gb/S And 64×40 Gb/S DWDM Network	2
12:15-12:30 pm		121	Rochak Bajpai, Sengar Sujata and Shree Singh	Performance Comparison of 40Gbps Mixed Line Rate WDM System For Various Dispersion Compensation Schemes	2
12:30-12:45 pm		33	Hema Tekwani and Krishna Raj	Compression using Thresholding on Signal/Image by Applying Wavelet Analysis	2
12:00-12:15 pm		56	Divyesh Varade, Ajay Maurya and Onkar Dikshit	Potential Of Information Fusion of Optical and SAR Data for Snow Cover Characterization	3
12:15-12:30 pm		153	Vipin Khattri and Sandeep Kumar Nayak	A Review on Integrating Evolutionary Multiobjective Optimization in Developing Fuzzy Systems	3
12:30-12:45 pm		156	Janak Kapoor and Ganga Ram Mishra	A Comparative Study on Characteristics and Properties of Adaptive Algorithms Applied to Noise Cancellation Techniques.	3
12:45-01:00 pm		170	Prabal Pratap Singh, Vishal Singh Chandel Department Of Aps and Khem Bahadur	Analysis of Omni-Directional Reflection (ODR) Band Gap in an Extrinsic Plasma Photonic Crystal	3
01:00-01:15 pm		173	Dr. Anirudh Banerjee and Dr. Sheenu Rizvi	Suitability of 1D Photonic Band Gap Structures for Electrical Tuning of Transmission Spectrum in Optical Filters	3
01:15-01:30 pm		177	Vandana Shukla, O.P. Singh and G.R. Mishra	A Novel Approach for Reversible Realization of 3:8 Decoder Circuit With Optimized Performance Parameters	3
01:30-01:45 pm		180	Navshad Alam	Tailoring of Band Gap in Manganese Doped Sodium Hexa-Titanate	3
01:45-02:00 pm		63	Farha Usman and Ram Suchit Yadav	Frequency Reconfigurable Antenna With Air Substrate for S-Band	3
12:00-12:15 pm		32	Mohammad Ehsanul Alim, Nazmus Sakib Bin, Md. Galib Hossain and Mohammad Rezaul Isalm	Data Analysis and Optimization of Power Loss in Household Electrical Appliances	4

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12:15-12:30 pm	35	Divyesh Varade, Ajay Maurya, Sonam Sharma and Onkar Dikshit	Ppmasks: A Simple and Effective Tool for Basic Land Cover Characterization	4
12:30-12:45 pm	97	Arif Iqbal and Mohammed Aslam Husain	MRAS Based Sensorless Control of Induction Motor Based on Rotor Flux	4
12:45-01:00 pm	112	Ravi Shankar	AGC of a Multisource Interconnected Power System Incorporating RFB and IPFC Using WOA	4
01:00-01:15 pm	113	Ravi Shankar	Sine-Cosine Algorithm based PID2 Controller Design for AGC of a Multisource Power System Incorporating GTPP in DG Unit	4
01:15-01:30 pm	128	Anshul Yadav, Aniruddha Ghosh, Priya Gupta and Anil Kumar	Mathematical Modeling of Heat Affected Zone Width in Submerged Arc Welding Process	4
01:30-01:45 pm	134	Mn Anwar, Ma Siddiqui, Sh Laskar and A Yadav	PIDA Controller Design for Higher Order Stable Process with Inverse Response Characteristic	4
01:45-02:00 pm	145	Devendra Kumar Sinha, Santosh Kumar, Anil Kumar and Anshul Yadav	Optimization of Process Parameters in Continuous Extrusion of Aluminum Alloy	4
12:00-12:15 pm	95	Talat Zahra, Faraz Yusuf Khan, Shrish Bajpai and Naimur Rahman Kidwai	Statistical Evaluation of Renewable Energy Technologies in Lucknow: Prevailing Schemes, Barriers and Future Scope	5
12:15-12:30 pm	108	Mukul Singh and M.A. Ansari	VSC-HVDC Transmission System and Its Dynamic Stability Analysis	5
12:30-12:45 pm	111	Mukul Singh and M.A. Ansari	Comparison of Control Techniques for Damping of Oscillations in Power System using STATCOM	5
12:45-01:00 pm	127	Sidharth, S N Sahoo and Asif Siddiqui	Enabling Advanced Automation for Quality Factor Measurement of TTC Ground Station	5
12:00-12:15 pm	91	Shashi Pandey, Rahul Singh Yadav, S.P. Singh and K.G. Upadhyay	A Remedy for Elimination of Harmonics in Solar Integrated Grid System	7
12:15-12:30 pm	109	Pragati Tripathi and M.A. Ansari	Modelling of Energy Efficient PV-Diesel-Battery	7
12:30-12:45 pm	129	Shweta Singh, Rakesh Kumar Singh and G.N. Tiwari	Effect of Oscillatory Water on the Performance of a Photo Voltaic Thermal System In Summer Condition	7
12:45-01:00 pm	181	Pragati Tripathi and M.A. Ansari	Analysis of Current Density, Absorption Coefficient for Increasing the Efficiency of Solar Cell by using GaAs as Substrate	7

SKYPE PRESENTATION ON 15-09-2018 (Saturday) Between 11:45 AM to 02:00 PM

Time Slot	Paper ID	Authors Name	Paper Title
11:45-12:00 pm	12	Subhashish Kumar, Dr. Namrata Dhanda and Mr. Ashutosh Pandey	Data Science – Cosmic Infoset Mining, Modeling and Visualization
12:00-12:15 pm	57	Md Nishat Anwar	Design of PID Controller for High-Order Process via IMC Scheme in Frequency Domain
12:15-12:30 pm	100	Jaya Gaitonde and Rajesh Lohani	Operating Frequency Ranges of GaAs Back-Illuminated OPFET Detector
12:30-12:45 pm	130	Anurag Upadhyay	Analysis of metal clad waveguide sensor using Metamaterial as guiding layer for gold cladding
12:45-01:00 pm	132	Govind Koundal and Shimi Sudha Letha	Recent Trends on Real Time Simulation of Facts: A Review
01:00-01:15 pm	142	Amritpreet Singh and Lini Mathew	A Review on Real Time Simulation of UPFC
01:15-01:30 pm	174	Meghna Bhatia and Dr.J.K Maitra	E-Learning Platforms-Security Issues and Vulnerability Analysis
01:45-02:00 pm	190	Mohammed Qamar Alam	The impact of integrating Building Energy Management System (BEMS) and Energy Audit: A Review

INVITED TALKS on September 15, 2018

		Venue
1	Dr. Farhad Ilahi Bakhsh, BGSB University Rajouri, J & K	Simulation Lab, Academic Block-I
2	Dr. Aslam Hussain, REC Ambedker Nagar	IU Auditorium (HALL-1)
3	Dr. S.P.Singh, REC, Ambedker Nagar	IU Auditorium (HALL-3)
4	Dr. Puneet Joshi, REC, Ambedker Nagar	IU Auditorium (HALL-2)
5	Dr. Divya Sharma, Thapar University, Patiala	Seminar Hall, Academic Block-II
6	Dr. D K Misra, ISTRAC, ISRO, Govt. of India, Lucknow	IU Auditorium (HALL-4)
7	Dr. Puneet Mishra, Lucknow University, Lucknow	Central Auditorium