

ETIECE-2017

Program Details: At A Glance

August 26, 2017

Time	Program and Venue
09:00-10:00	Registration @ University Polytechnic
10:00-11:10	Inauguration
11:10-11:30	High Tea
11:30-12:30	Keynote Talk 1 <i>Speaker: Prof. R. P. Saini, Alternate Hydro-Energy Center, IIT Roorkee</i> <i>Topic: Recent Trends in Hydro-power with reference to Electro Mechanical Components</i> (University Auditorium)
12:30-13:30	Keynote Talk 2 <i>Speaker: Dr. Sumantra Dutta, Department of Electrical Engineering, IIT Delhi</i> <i>Topic: U K-Means, Gaussian Mixtures and EM</i> (University Auditorium)
13:30-14:30	Lunch Break
14:30-15:15	Expert Lecture 1 <i>Speaker: Dr. Nizam-ud-Din, Jamia Millia Islamia University</i> <i>Topic: Role of CNTFET In Nano Electronics</i> (MCA/IT Conference Hall)
15:15-17:00	Session T1 @ MBA Conference Room/ Session TII @ MCA/IT Conference Hall
17:00-17:15	Tea Break
17:15-18:00	Session TIII@ MCA/IT Conference Hall
18:15-19:15	Cultural Programme @ University Auditorium
19:15-20:00	Welcome Dinner for Conference Delegates

August 27, 2017

Time	Program and Venue
09:00-09:45	Expert Lecture 2 <i>Speaker: Dr. Mohammad Tariq Bandy, PG Department of Electronics and Instrumentation Technology, University of Kashmir</i> <i>Topic: Processors For Internet of Things</i> (MCA/IT Conference Hall)
09:45-11:00	Session TIV @ MCA/IT Conference Hall/ Session OTV@ MBA Conference Room
11:00-11:15	Tea Break
11:15-12:00	Expert Lecture 3 <i>Speaker: Dr. Vipin Kakkar, Department of Electronics and Communication Engineering, Shri Mata Vaishno Devi University</i> <i>Topic: Ultra Low Power Biosensors: VLSI Trends and Future Scope</i> (MCA/IT Conference Hall)
12:00-12:45	Expert Lecture 4 <i>Speaker: Dr. Sandeep Arya, Department of Physics, University of Jammu</i> <i>Topic: Micro-Electro-Mechanical-Systems (MEMS) and their Applications in Electronics</i> (MCA/IT Conference Hall)
12:45-13:45	Session TVI @MCA/IT Conference Hall/Session TVII @MBA Conference Room
13:45-14:45	Lunch
14:45-15:00	Poster Session
15:00 onwards	Valedictory Function

Technical Program ----- Day 1: 26 August 2017, Saturday

Session TI: Renewable Energy Sources and Power Drives	
Date: August 26, 2017	Venue: MBA Conference Hall
Time: 15:15-17:00	
Session Chair: Prof. R.P. Saini	
Rapporteur: Ms Nisha Gupta	
TI-A1	Review of Methods For Voltage Control in AC Inverters <i>Arashid Ahmad Bhat, Junaid Farooq War and Taseem Mufti</i>
TI-A2	Harmonic Load Model & Assessment of Energy Efficiency of Single Phase UPS Inverter Battery <i>Malik Younis Ahmed And Narinder Sadana</i>
TI-A3	Role of STATCOM in Improving the Power Quality of Hybrid Solar Wind Power Plant Integrated with Power Grid <i>Ishtiyaq Shafi Rafiqi And Tawheed Jan Shah</i>
TI-A4	Hydropower for Sustainable Energy Development <i>Umer Farooq And Mir Aijaz Ahmad</i>
TI-A5	Geothermal Energy and its Potential In India: A Review <i>Loveneesh Talwar, Shagun Gupta and Jaipal Singh</i>
TI-A6	Detection of Failure in Structures Using Different Electronic Sensors <i>Mir Aijaz Ahmad and Tabish Butt</i>

Session TII: Machine Learning, Image Analysis, Pattern Classification and Neural Networks	
Date: August 26, 2017	Venue: MCA/IT Conference Hall
Time: 15:15-17:00	
Session Chairs: Dr Sumantra Dutta Prof. Mohammad Asger	
Rapporteur: Mr. Vishal Sharma	
TII-B1	Machine Learning- An Approach For Data Analytics <i>Firasath Nabi, Sanjay Jamwal and Kumar Padmanabh</i>
TII-B2	Efficient Image Cloning Detection Using DCT And K-Means Clustering <i>Tawheed Jan Shah and M. Tariq Bandy</i>
TII-B3	Multimodal Biometrics For Enhancement of Security Systems <i>Haider Mehraj, Md. Hesam Akhter, Junaid Farooq War and Arashid Ahmad Bhat</i>
TII-B4	Solving Complex Non-Polynomial Equations Using Genetic Algorithm <i>Ajaz Ahmad Kumar, Syed Nisar Bukhari, Muneer Ahmad Dar , Dr.Ayaz Hussain Moon</i>
TII-B5	Comparison of English-Kashmiri Language In Context To Machine Translation <i>Mir Aadil, M. Asger</i>
TII-B6	Speech Based Gender Classification <i>Mohamad Idris Wani, Bareen Farooqi, Nida Wani and Haider Mehraj</i>
TII-B7	Effect of Noise over MRI Segmentation Techniques <i>Syed Mujtiba Hussain, Shivani Gadhi and Nusrat Ara</i>
TII-B8	Automated Cluttered Scene Monitoring In Videos Using Surf And Localized Hog Features <i>Aaqib Bulla and Taseem Mufti</i>
TII-B9	Salt And Pepper Noise Reduction Using AND Gate Having 2D Median Filtering <i>Mohd. Iqbal</i>
TII-B10	Face Based Gender Classification Using Cosfire Filter <i>Bareen Farooqi, Mohamad Idris Wani, Nida Wani and Haider Mehraj</i>
TII-B11	Prediction of Heart Diseases Using Decision Tree and Neural Network Data Mining Techniques-A Review <i>Mujtaba Ashraf Qureshi and Irshad Ahmad Mir</i>
TII-B12	A.I. Teacher -A Blue Eyes Approach <i>Mir Aadil, Mir Yawar Haya and M. Asger</i>
TII-B13	Pervasive Computing “Machines that Fit into the Human Environment Instead of Forcing Humans to Enter Theirs” <i>Fayaz Ahmad Fayaz, Ajaz Ahmad Kumar, Ashaq Hussain Dar and Dr.Ayaz Hassan Moon</i>

Session TIII :VLSI System Design and Electronic Devices	
Date: August 26, 2017	Venue: MCA/IT Conference Hall
Time:17:15-18:00	
Session Chair: Dr. Nizam-ud-Din	
Rapporteur: Mr. Mohd. Abas Malik	
TIII-C1	A Low Cost Circuit for Programmable Frequency Divider <i>Faroze Ahmad</i>
TIII-C2	FPGA Implementation of Zero-Forcing Pre-Coding For MIMO WIMAX Transceivers <i>Junaid Farooq War, Arashid Ahmad Bhat and Haider Mehraj</i>
TIII-C3	A Universal FNZ Gate Based 2-Bit Comparator in Quantum Dot Cellular Automata <i>S. Umira R. Qadri, Z. A. Bangil, M. Tariq Banday and G. Mohiuddin. Bhat</i>
TIII-C4	Design and Performance Analysis of Organic Thin-Film Transistor's <i>Farkhanda Ana and Najeem-ud-Din</i>
TIII-C5	A Review on Study of Junction Less MOSFET <i>Nisha Gupta</i>
TIII-C6	Memristor: The Fourth Basic Circuit Element <i>Shahbaz Ahmed Sheikh</i>

Technical Program ----- Day 2: 27 August 2017, Sunday

Session TIV : Cloud Computing, Big Data and Internet of Things	
Date: August 27, 2017	Venue: MCA/IT Conference Hall
Time: 09:45-11:00	
Session Chair: Dr. Tariq Banday	
Rapporteur: Mr. Aaqib Bulla	
TIV-D1	Integrating Cloud Computing And Internet of Things (IOT): Issues And Challenges <i>Ashaq Hussain Dar, M. Tariq Banday, Muneer Ahmad Dar and Dr. Ayaz Hassan Moon</i>
TIV-D2	Energy Efficiency in Cloud Computing: A Survey and Analysis <i>Rakesh Singh Sambyal</i>
TIV-D3	Intrusion Detection Systems For Internet of Things <i>M. Tariq Banday and Reyaz Ahmad Mathangi</i>
TIV-D4	A Review of Sql Injection Mitigation Techniques and Use of Microsoft Sdl Practices <i>Syed Nisar Bukhari, Fayaz Ahmad Fayaz, Ajaz Ahmad Kumar And Ayaz Hassan Moon</i>
TIV-D5	Security Challenges in IOT <i>Tariq Hussain Sheikh and Samina Naz Mirza</i>
TIV-D6	Controlling The Function of Home Appliances Wirelessly <i>Ishfaq Gaffar Dar</i>
TIV-D7	HMACSHA256 With RSA For Ensuring Secure Communication In IOT Based Smart Home System <i>Idris Afzal Shah, Faisal Rasheed Lone, Hamid Hussain Haqani and Syed Arshid Ahmad</i>
TIV-D8	Identity And Access Management (IAM) in Cloud Computing <i>M. Tariq Banday and Saima Mehraj</i>
TIV-D9	Green Scheduling Algorithm for Cloud Centric Data Centers <i>Idris Afzal Shah</i>
TIV-D10	Distributed Big Table For Relational Databases <i>Taseem Nazir and Khalil Ahmed</i>
TIV-D11	Comparative Study of Component Based Software Engineering Models <i>Tariq Hussain Sheikh</i>

Session OTV	
Date: August 27, 2017	Venue: MBA Conference Hall
Time: 09:45-11:00	
Session Chairs: Mr. Haider Mehraj, Mr. Khalil Ahmad	
Rapporteur: Mr. Taseem Nazir	
OTV-E1	OTU Clustering: A Window to Analyze Uncultured Microbial World <i>Ashaq Hussain Bhat and Puniethaa Prabhu</i>
OTV-E2	A Novel Approach For Verification of RISC-V Processor <i>Ramanpreet Viridi and Neeraj Kr. Shukla</i>
OTV-E3	Design And Implementation of High-Speed Adders for Various Digital Applications <i>Niharika Mittal and Dr. Shilpi Birla</i>
OTV-E4	Comparison of LSB and DWT Steganography Techniques <i>Syed Mujtiba Hussain, Salihah Yousuf, Mehvish Siddiqi, Zahid Gulzar Khaki</i>
OTV-E5	Analysis of LSB And DWT Steganography Techniques over Various Attacks <i>Syed Mujtiba Hussain, Salihah Yousuf, Syed Bisma and Zahid Gulzar Khaki</i>
OTV-E6	Hybrid Semantic Text Summarization <i>Maleeha Arif Yasvi</i>

Session TVI : Wireless Sensor Networks and Network Security	
Date: August 27, 2017	Venue: MCA/IT Conference Hall
Time: 12:45-13:45	
Session Chair: Dr. Sanjay Jamwal	
Rapporteur: Mr. Junaid War	
TVI-F1	Design And Development of A Communication System For Long Range, Low Cost And Low Power Wireless Flying Sensor Node <i>Rouf-Ul-Alam Bhat</i>
TVI-F2	A CHEBYSHEV Distance Approach For Efficient Energy Optimization In Wireless Sensor Network <i>Vishal Puri and Shaveta Gupta</i>
TVI-F3	A Proxy-Based Browsing For Reducing Energy And Latency In Cellular Networks <i>Md. Hesam Akhter and Haider Mehraj</i>
TVI-F4	WAKE-UP Scheduling For Event Monitoring In Wireless Sensor Networks <i>Syed Arshid Ahmad</i>
TVI-F5	Data Aggregation in Wireless Sensor Network using Genetic Algorithm <i>Monika Malik, Nischay Raj Maurya</i>
TVI-F6	Comparative Analysis of Routing Protocols Using Various Performance Parameters <i>Mehmood Ul Hassan</i>
TVI-F7	Smartphone Security: Challenges, Defenses And Enhancements <i>Muneer Ahmad, Ashaq Hussain Dar, Dar, Syed Nisar Bukhari, Fayaz Ahmad Fayaz and Ayaz Hassan Moon</i>
TVI-F8	Amazon Web Services: Locations & Latency <i>M. Tariq Bandy and Abdul Wahid</i>
TVI-F9	Prominent Spam Filtering Techniques: A Review <i>M. Tariq Bandy and Shafiya Afzal Sheikh</i>

Session TVII: Communication Systems and Networks	
Date: August 27, 2017	Venue: MCA/IT Conference Hall
Time: 12:45-13:45	
Session Chair: Dr. Vipan Kakkar	
Rapporteur: Mr. Aaqib Bulla	
TVII-G1	Performance Analysis and Enhancement of WDM Optical Networks <i>Arashid Ahmad Bhat, Haider Mehraj and Aaqib Bulla</i>
TVII-G2	Design and Performance Analysis of FSO (Free Space Optical) Networks <i>Rehana Salam Bhat and Arshid Ahmad Bhat</i>

TVII-G3	Performance Improvement of Free Space Optical Communication (FSOC) System Using Relay Assistance <i>Malik Mubasher Hassan</i>
TVII-G4	Sidelobe Suppression Using AIC Technique in OFDM-Based Cognitive Radios <i>Mohammad Abas Malik</i>
TVII-G5	Design And Performance Improvement of Optical Transceiver System <i>Ashiq Hussain Wagay, Abida Akhter, Sharika Ahad, Somia Raina, Shayista nazir and Arashid Bhat</i>
TVII-G6	A Novel Approach For Harmonic Analysis Using Matlab <i>Shafqat Mughal and Rukhsana Thaker</i>
TVII-G7	Performance Comparison of BPSK And QAM Modulation Schemes Using BCH Code Over Rayleigh Fading Channel <i>Faisal Rasheed Lone, Idris Afzal Shah and Khalid Hussain</i>

Paper Presentation Details

Audio Visual Equipment available includes PC/Laptop with USB port equipped with Windows O/S MS Power Point, PDF Viewer and Overhead Projector.

Instructions for Speakers:

- Time allotted for **keynote** talk is 60 minutes out of which last 10 minutes are for discussion.
- Time allotted for each **expert lecture** is 45 minutes out of which last 10 minutes are for discussion.
- Time allotted for each **paper presenter** is 10 minutes. Presenters are requested to hand over the soft copy of presentation to the hall-incharge before the start of session.

Instructions for Chairpersons:

- Please note that there is no specific time slot for pre and post session moderation, which is certainly very important. Please apply your judgment to adjust/monitor this so that overall time limit for the session could be maintained.