

	<p>International Symposium on Recent Advances in Electrical Engineering 2018 (RAEE'18) To be held as part of International Symposia 2018</p> <p>Venue: PIEAS Auditorium</p>	
<p>Wednesday, October 17, 2018</p>		
9:00 - 10:00	Registration	
10:00 - 11:00	Opening Ceremony	
11:00 - 11:30	Tea break	
11:30 - 13:10	<p>Technical Session 1 Session Chairs: Dr. Muhammad Aqil Dr. Waqas Ahmed</p>	
1130 - 1210	<p>Invited Talk <i><u>Prof. Zulkurnain Abdul-Malek</u></i> Professor (VK7) Universiti Teknologi Malaysia Talk Title : Diagnostic with Surge Arrestors</p>	
1210 - 1225	<p>Rai Naveed Arshad, Zolkafle Buntat, Mohammed Imran Mousa, Ali Mohammad Dastgheib and Kaleem Ullah Babir. <i>Simulation Study of Coaxial Treatment Chambers for PEF Pasteurization</i></p>	
1225 - 1240	<p>Malik Muhammad Zaid, Muhammad Usama Malik, Muhammad Sibtain and Muhammad Moosa. <i>Virtual Power Quality Analyzer Emphasizing the Distortion Factor in Power Factor Calculation</i></p>	
1240 - 1255	<p>Noman Khan, Arslan Fida and Muhammad Muzammil Nawaz. <i>Hardware Implementation of Adaptive Notch Filter for Estimation of Frequency and Phase of a Utility</i></p>	

	Grid	
1255 - 1310	Muhammad Usama Malik and Dr Aftab Ahmad. Solution of Economic Load Dispatch Problem by Modified Whales Optimization Algorithm	
13:10 - 14:00	Lunch and prayer break	
14:00 - 15:40	<p style="text-align: center;">Technical Session 2</p> <p>Session Chairs: Dr. Abdul Qayyum Khan Mr. Muhammad Shahid Nazir</p>	
14:00 - 14:40	<p style="text-align: center;"><i>Invited Talk</i></p> <p style="text-align: center;"><u>Prof. Aamer Iqbal Bhatti</u></p> <p style="text-align: center;">Professor of Controls and Signal Processing, EE Capital University of Science & Technology</p> <p style="text-align: center;">Talk Title : Impact of Powertrain on Optimal CACC? A PMP Approach</p>	
14:40 - 14:55	Sadia Murawwat and Ragheesa Mehroze. An Overview of LiFi: a 5G Candidate technology	
14:55 - 15:10	Muhammad Junaid Asif, Tayyab Shahbaz, Syed Tahir Hussain and Sajid Iqbal. Rice Grain Identification and Quality Analysis using Image processing technique based on Principal Component Analysis	
15:10 - 15:25	Muhammad Sarmad, Muhammad Sarwar, Muhammad Abubakar, Taimur Khan and Babar Hussain. Real-time Implementation of Directional Over-current Protection Coordination in a Microgrid	
15:25 - 15:40	Haris Sheh Zad, Adil Zohaib and Abasin Ulasyar. Robust Speed Controller Design for the Variable-Speed Wind Turbine Power System	
15:40 - 16:00	Tea	
	Conference Dinner (for invited guests only)	

Thursday, October 18, 2018

0900 - 1055	<h3 style="margin: 0;">Technical Session 3</h3> <p style="margin: 0;">Session Chairs: Dr. Muhammad Ali Shah Dr. Fatima Tahir</p>	
0900 - 0940	<p>Invited Talk</p> <p><i><u>Prof. Nasir M. Rajpoot</u></i></p> <p>Professor in Computational Pathology Head, Tissue Image Analytics (TIA) Lab University of Warwick (UK)</p> <p>Talk Title : Cancer Histology Footprint Analytics</p>	
0940 - 0955	Malik Muhammad Zaid, Muhammad Usama Malik and Muhammad Sibtain. Single and Three-Phase Cascaded Switch-Ladder Multilevel Inverter Using Novel and ANDED PWM technique	
0955 - 1010	Fatima Aziz, Sadaf Javed, Syeda Eima Iftikhar Gardezi, Ch. Jabbar Younis and Mehboob Alam. Design and Implementation of Efficient DA Architecture for LeGall 5/3 DWT	
1010 -1025	Monib Ahmad, Waqas Ali, Haroon Farooq, Muhammad Jamil, Mohsin Ali and Ata Ur Rehman. Solving the Problem of Economic Load Dispatch for a Small Scale Power System Using a Novel Hybrid PSO-GSA Algorithm	
1025 - 1040	Ihsan Ullah Khalil, Mati Ullah Ahsan, Irshad Ullah, Shah Nawaz, Arbab Adnan and Naveed Khan. SOC prediction of Lithium-Ion Battery using Extended Kalman Filter	
1040 - 1055	Urooj Asghar, Muhammad Babar Rasheed and Muhammad Awais. Demand Response Benefits for Load Management Through Heuristic Algorithm in Smart Grid	
1055 - 1120	Tea break	

1120 - 1320	<p style="text-align: center;">Technical Session 4</p> <p style="text-align: center;">Session Chairs: Dr. Muhammad Tufail Dr. Shakeel Ahmed</p>	Auditorium
1120 - 1150	<p style="text-align: center;"><i>Invited Talk</i></p> <p style="text-align: center;"><u>Prof. Abdul Jalil</u></p> <p style="text-align: center;">Department of Electrical Engineering Faculty of Engineering and Technology, IIU Islamabad</p> <p style="text-align: center;">Talk Title : Recent Trends in Visual Object Tracking.</p>	Auditorium
1150 - 1220	<p style="text-align: center;"><i>Invited Talk</i></p> <p style="text-align: center;"><u>Prof. Rashid Mehmood</u></p> <p style="text-align: center;">King Abdulaziz University, KSA</p> <p style="text-align: center;">Talk Title: Big data analytics applications</p>	Auditorium
1220 - 1235	Ghulam Ali, Muhammad Omar, Ahmad Khalil Khan and M. Faisal Nadeem Khan. Recent Challenges of Solar Cell Technologies; A Critical Analysis	Auditorium
1235 - 1250	Muhammad Afzal Khan, Faisal Khan, Lutf Ur Rahman and Areej Fatima. Analysis and Electromagnetic Noise suppression of three-phase Squirrel Cage Induction Motor	Auditorium
1250 - 1305	Waqas Ali, Haroon Farooq, Ata Ur Rehman, Mohsin Jamil, Qasim Awais and Mohsin Ali. Grid Interconnection of Micro Hydro Power Plants: Major Requirements, Key Issues and Challenges	Auditorium
1305 - 1320	Natasha Niaz, Rizwan Ahmad and Waqas Ahmed. Performance Evaluation of Energy Harvesting Enabled Phantom Cellular Network	Auditorium
1220 - 1320	<p style="text-align: center;">Technical Session 5</p> <p style="text-align: center;">(Parallel to Session 4)</p> <p style="text-align: center;">Session Chairs: Dr. Aftab Ahmed Khattak Dr. Salman Ahmed</p>	Room SE-312
1220 - 1235	Shawkat Ali, Salman Ahmed and Safdar Nawaz Khan Marwat. A practical approach to consensus based control of multi-agent systems	Room SE-312

1235 - 1250	Faizan Ahmad Khattak and Aftab Ahmed Khattak. Optimal DC Sources and Switching Angles for THD Minimization in MLI using Unconstrained Simplex method	Room SE-312
1250 - 1305	S. M. Ali, Nauman Khan Tareen, Irfan Sami, Zahid Ullah, Khalid Salman Khan, Umar Farid, Bilal Khan, C. A. Mehmood and M. Jawad. Fault Tolerance of Data Center under Multi-Correlated Failures	Room SE-312
1305 - 1320	Haris Sheh Zad, Abasin Ulasyar and Adil Zohaib. Robust Sliding Mode Voltage Control of Three-phase Power System Converter	Room SE-312
1320 - 1430	Lunch and prayer break	
1430 - 1530	Closing Ceremony - Auditorium	
	Visit to Islamabad (for foreign guests only)	