

CONFERENCE PROGRAM				
3rd International Conference on Computing, Mathematics and Engineering Technologies - iCoMET 2020				
Idea to innovation for building the knowledge Economy				
January 29 - 30, 2020 - Sukkur IBA University				
DAY 1 - Wednesday 29th January 2020				
OPENING SESSION				Venue: Auditorium
S.No	VENUE	Time		
1	Auditorium	08:00 am - 09:00 am	Registration and Opening Session	
2	Auditorium	09:00 am - 09:10 am	Recitation of Holy Quran and National Anthem	
3	Auditorium	09:10 am - 09:15 am	Conference brief by Dr. Rida-e-Zenab, General Chair	
4	Auditorium	09:15 am - 09:30 am	Welcome note Prof. Nisar Ahmed Siddiqui, Chair person of Conference and VC Sukkur IBA Univer	
5	Auditorium	09:30 am - 10:10 am	Quantum Economics by Prof. Dr. Asghar Qadir	
6	Auditorium	10:10 am - 10:50 am	A model for reasoning on transactions and contracts By Prof. Dr. Paolo Bottoni	
7	Auditorium	10:50 am - 11:30 am	AI for everyone by Prof. Dr. Yasar Ayaz	
8	Auditorium	11:30 am - 11:40 am	Chief Guest	
9	Auditorium	11:40 am - 11:45 am	Group Photo	
11:45 am - 12:00 pm		Tea Break		Venue: Football Ground
12:00 pm - 01:45 pm		Keynote Speeches - Computing		Venue: Auditorium
1	Auditorium	12:00 pm - 12:45 pm	Keynote Talk by Prof. Dr. Izzatdin Abdul Aziz	
2	Auditorium	12:45 pm - 01:30 pm	Distributed Suspicious Activity Detection using Lightweight Deep Learning Models by Prof. Dr. No	
12:00 pm - 1:20 pm		Keynote Speeches - Mathematics		Venue: Academic Block - 2
1	Room 106	12:00 pm - 12:40 pm	Cubic Curves: Geometry and Applications by Prof. Dr. Umer Hayat	
2	Room 106	12:40 pm - 1:20 pm	On generalized matrix functions by Prof. Dr. Kijti Rodtes	
1:20 pm - 01:45 pm		Parallel Presentations - Mathematics		Venue: Academic Block - 2
		Session Chair: Dr. Sabeel Session Manager: Mr. Asif Memon		Venue: Academic Block - 2
3	Room 106	1:20 pm - 01:35 pm	Muhammad Faizan Ahmed (Federal Urdu University Of Arts, Science & Technology, Gulshan Iqbal Karachi, Pakistan)	
4	Room 106	01:35 pm - 01:45 pm	On the Formulation of the Exact Solution of the Amrat Kumar et al (QUEST)	
12:00 pm - 1:45 pm		Parallel Presentations - Engineering Technologies		Venue: Academic Block - 2
Session 1 -				
Session Chair : Dr. Abdul Qadir Rahimoon			Session Manager: Engr. Fayyazuddin / Engr. Qasir	
S.No	VENUE	Timing	Topic: Solar Power System	Presenters
1	Room 304	12:00 pm - 12:10 pm	Study on Hybrid Wind-Solar System for Energy Saving A	Aashir Waleed (UET Lahore); Muhammad Rameez Javed (
2	Room 304	12:15 pm - 12:25 pm	An Empirical Review of Barriers in Development of Rene	Khalid Jamil (North China Electric Power University)*
3	Room 304	12:25 pm - 12:35 pm	Study on Hybrid Wind-Solar System for Energy Saving A	Aashir Waleed (UET Lahore); Muhammad Rameez Javed (
4	Room 304	12:40 pm - 12:50 pm	Statistical analysis and performance evaluation of Quaid-e	Saif ur Rehman (USPCAS-E NUST)*; Anam Shabeer (NFC
5	Room 304	12:55 pm - 01:05 pm	Robust Sliding Mode Control based Maximum Power Poi	Arslan Hameed (Riphah International University, Islamabad)
6	Room 304	01:10 pm - 01:20 pm	Fabrication & performance analysis of direct type passive	Ghazanfar Mehdi (PNEC KHI)*; Shakil Jiskani (SIBAU)
7	Room 304	01:25 pm - 01:35 pm	MPPT for Photovoltaic System using non-linear Hybrid R	Kamran Ali (COMSATS University Islamabad)*
8	Room 304	01:35 pm - 01:45 pm	Power Generation of Pure Sine Wave in Batteryless Solar	Muhammad Siddique (NFC IET Multan)*; Muhammad Nou
Session Chair : Dr. Faheem Akhtar Chachar			Session Manager: Engr. Jahangeer Badar Soomro	
S.No	VENUE	Timing	Topic: Energy Systems and Management-I	Presenters
1	Room 305	12:00 pm - 12:10 pm	ELECTRIC MOBILITY AND ENERGY SECURITY IN	Darya Khan Bhutto (Sukkur IBA University); Madad ALI Sh
3	Room 305	12:15 pm - 12:25 pm	MCDM Analysis of Renewable and Conventional Energy	Muhammad Azhar (NUST)*; Kafait Ullah (NUST)
4	Room 305	12:25 pm - 12:35 pm	An Electric Vehicle Using On-board Maximum Utilization	Adeel Saleem (North China Electric Power University)*; Na
5	Room 305	12:40 pm - 12:50 pm	Energy Management to reduce carbon emission in Paksita	Rana Faizan Gul (North China Electric Power University)*
6	Room 305	12:55 pm - 01:05 pm	Predicting the Energy Efficiency of Thermal Power Plant	Ghulam Qadir, Dr. Irfan Bhacho, Dr. Naeem Mahoto (QUES
7	Room 305	01:10 pm - 01:20 pm	Modelling of an electric vehicle for tractive force calculati	Adeel Saleem (North China Electric Power University)*; Na
8	Room 305	01:25 pm - 01:35 pm	Performance Analysis of FACTS Controller for Conge	Arsalan Masood
Session 3 - Energy Systems and Management				
Session Chair : Dr. Abdul Sattar			Session Manager: Engr. Zulqarnain Arain / Engr. Fawad	
S.No	VENUE	Timing	Topic: Power Systems	Presenters
1	Room 306	12:00 pm - 12:10 pm	Independent Power Producer (IPPs) of Pakistan and CSR	Rana Faizan Gul (North China Electric Power University)*
2	Room 306	12:15 pm - 12:25 pm	Newly Constructed Power Plants in Pakistan along-with H	Fazal Hussain Awan (North China Electric Power University
3	Room 306	12:25 pm - 12:35 pm	Optimization and Selection of Conductor for New Genera	Malik Shoab Khalid (NESPAK)*
5	Room 306	12:40 pm - 12:50 pm	Implementation of AI Based Power Stabilizer Using FUZ	Darya Khan Bhutto (Sukkur IBA University)*
6	Room 306	12:55 pm - 01:05 pm	Regenerative organic Rankine cycle energy and exergy an	Zubair Ali Shah (Harbin Engineering university)*; Zheng Qu
7	Room 306	01:10 pm - 01:20 pm	Chaotic Inertia Weight Particle Swarm Optimization (CIW	Ali Ahmed (University of Engineering and Technology Taxi
8	Room 306	01:25 pm - 01:35 pm	LNG supply chain: Challenges, Opportunities and Future	Zehra Iffat
Session 4 -				
Session Chair : Dr. Sharjeel / Engineer Nabeel Siddiqui			Session Manager: Engr. Irfan Mughal	
S.No	VENUE	Timing	Topic: Advanced Communication Systems	Presenters
1	Room 307	12:00 pm - 12:10 pm	Bi-directional Transmission of 800 Gbps Using 40 Chann	Dr. Farhan Qamar (UET Taxila)*; Faisal Nadeem (UET Tax

2	Room 307	12:15 pm - 12:25 pm	Underwater Channel Characterization for Effective Comm	Hammad Shaikh (Sir Syed University of Engineering and Te
4	Room 307	12:25 pm - 12:35 pm	Generalized Area Spectral Efficiency for Cognitive Radio N	Qasim Satti (Bahria Univeristy); Abdul A.M Moeed (Bahria
5	Room 307	12:40 pm-12:50pm	Analyzing Indoor/Outdoor Environmental Effects with Va	Abdul Bassit Surahio
6	Room 307	12:55 pm - 01:05 pm	SDR Based Implementation of MSK and GMSK Receiver	Mir Lodro (University of Nottingham, UK)*
7	Room 307	01:10 pm - 01:20 pm	128-QAM x 8 Channels DWDM Communication for Opti	Dr. Farhan Qamar (UET Taxila)*; Mudassar Ali (National U
Session 5 -				
Session Chair : Dr. Abdul Baseer Session Manager: Engr. Irfan Ali				
S.No	VENUE	Timing	Topic: Intelligent Systems	Presenters
1	Room 308	12:00 pm - 12:10 pm	AN EXPLORATORY STUDY OF STUDENTS' LEARNING	Fatima Bashir
2	Room 308	12:15 pm - 12:25 pm	Ordinary Learning Method for Heart Disease Detection us	Javid Iqbal (UET Taxila)*; Munwar Iqbal (UET, Taxila); U
3	Room 308	12:25 pm - 12:35 pm	Classification of mental workload (MWL) using Support	Umer Asgher (NUST); Khurram Khalil (NUST)*; Yasar Ay
4	Room 308	12:40 pm-12:50pm	Brain Computer Interface Implementation on Cognitive St	Bilal H Hussain Shah (NUST-PNEC)*; zamra sultan (NUST
5	Room 308	12:55 pm - 01:05 pm	Optimal Allocation of Wind DG with Time Varying Volta	Ali Ahmed (University of Engineering and Technology Tax
6	Room 308	01:10 pm - 01:20 pm	Smart Garbage Bin: An IoT Platform for Smart Waste Ma	Dr. Abdul Aziz SIBAU
7	Room 308	01:25 pm - 01:35 pm	Short Term Load Forecasting using SVM based PUK kerr	Sohaib Rehman Khan (NTDC)*
Session 6 -				
Session Chair: Dr. Arslan Ahmed / Dr. Suresh Kumar Session Manager: Engr. Veer Bhan				
S.No	VENUE	Timing	Topic: Automation and Control Systems	Presenters
1	Room 309	12:00 pm - 12:10 pm	Comparative Analysis of Various FACT Controllers for P	Adnan Ali Shaukat (NFC IET University Multan)*; Adnan S
2	Room 309	12:15 pm - 12:25 pm	Super twisting sliding mode control for inner current supp	Waqar Uddin (Pusan National University)*; Muhammad Ish
3	Room 309	12:25 pm - 12:35 pm	Maximum Power Extraction from Photovoltaic System us	Zaheer Alam (COMSATS University Islamabad, Abbottabad
4	Room 309	12:40 pm-12:50pm	CONTROLLER DESIGN FOR THE TRANSLATIONAL	Urooj Baig (MUET Jamshoro)*
5	Room 309	12:55 pm - 01:05 pm	Simplified Model Predicted Current Control Method for s	Muhammad Usama (chosun university)*
6	Room 309	01:10 pm - 01:20 pm	Three-Phase D-STATCOM with Digital Current Control S	kamran zeb (University of Management & Technology, Siall
7	Room 309	01:25 pm - 01:35 pm	IOT based Smart Industrial panel for controlling Three-ph	Engr. Ghulam Abid , Engr. Shoaib Ahmed Shaikh , Engr. Sa
01:45 pm - 2:30 pm		Lunch Break + Namaz		
02:30 pm - 05:00 pm		Keynote Speeches - Engineering Technologies		Venue: Auditorium
1	Auditorium	02:30 pm - 03:10 pm	Artificial Intelligence and Future of Higher Education by Mr. Roozbeh Aliabadi	
2	Auditorium	03:10 pm - 03:50 pm	The Status and Future of Light and Charge Based Emerging Technologies by Prof. Dr. Ahmed Shuja Sy	
3	Auditorium	04:10 pm - 04:50 pm	Swarming Intelligence with Engineering and Scientific Applications By Prof. Dr. Mukhtiar Ali Una	
02:30 pm - 05:00 pm		Parallel Presentations - Computing		Venue: Academic Block - 2
Session 1 - Computing - I (Computer Communication Network)				
Chair : Prof. Dr. Ghulam Ali Mallah and Dr. Raheel Ahmed Memon Session Manager: Miss Sehar Gul and Miss Farayal				
S.No	VENUE	Timing	Topic:	Presenters
1	Room 305	02:30pm-02-45pm	Network Security Issues of Data Link Layer: An Over	Syed Muhammad Mohsin
2	Room 305	02:45pm-03:00pm	A Self-Evolving Design of Blockchain based Open Source	Abdul Qayum
3	Room 305	03:05pm-03:20pm	Performance of Cryptographic Algorithms based on Time	Khalid Ali
4	Room 305	03:25pm-03:40pm	Secure Block-level Data Deduplication approach for Clou	Gulsayyar Ali
5	Room 305	03:45pm-04:00pm	A Purposed model for Quadruped footprint generation	Zeeshan Bhatti
	Room 305	04:05pm-04:20pm	Reliability Management Framework and Recommender S	Ayesha Nasir
Session 2 - Computing - II (Artificial Intelligence)				
Session Chair : Dr. Muhammad Rafi and Dr.Sajid Khan Session Manager: Miss Sana Fatima				
S.No	VENUE	Timing	Topic:	Presenters
1	Room 306	02:30pm-02-45pm	BIO-INSPIRED COMMUNICATION: A review on soluti	Atif Ali
2	Room 306	02:45pm-03:00pm	Meta-model for Stress Testing on Blockchain Nodes	MUHAMMAD SHAH JAHAN
3	Room 306	03:05pm-03:20pm	Augmented Reality based Multimedia Learning for Dysle	Zeeshan Bhatti
4	Room 306	03:25pm-03:40pm	A survey on Edge detection based recent marine horizon l	Manzoor Ahmed Hashmani
5	Room 306	03:45pm-04:00pm	Evaluating Energy Efficiency of Buildings using Artificial	Ahsan Nazir
Session 3 - Computing - III (Machine Learning)				
Session Chair : Dr. Nadeem Mehmood and Dr.Ghulam Mujtaba Sheikh Session Manager: Mr.Javad Ali Abbasi				
S.No	VENUE	Timing	Topic	Presenters
1	Room 307	02:30pm-02-45pm	Evaluating the Performance of Hierarchical Clustering algorithm	Anees Baqir
2	Room 307	02:45pm-03:00pm	A Recommendation System for Functional Features to aid Requi	Sehrish Munawar Cheema
3	Room 307	03:05pm-03:20pm	DemCure: A Technology-oriented solution for Assisting Caretak	Mehdi Raza Lakho
4	Room 307	03:25pm-03:40pm	ATM Cash Prediction Using Time Series Approach	Mohammad Taha Wahab and Muhammad Bilal Khan
5	Room 307	03:45pm-04:00pm	Ethics of Artificial Intelligence: Research Challenges and Potent	Tanzeela Jameel
6	Room 307	04:05pm-04:20pm	A Study and Application Development on Monitoring Cardio-Va	Anum Shakeel
Session 4 - Computing - IV (Soft Computing)				
Session Chair : Dr. Perdeep Kumar and Dr.Ajmal Sawand Session Manager:Mr. Khalid Hussain				
S.No	VENUE	Timing	Topic	Presenters
1	Room 308	02:30pm-02-45pm	Blockchain-Based Approach for Proving the Source of Di	Safi ur Rehman
2	Room 308	02:45pm-03:00pm	INTERACTIVELY VISUALIZE AND ANALYZE SOCI	Ahsan Wajahat

3	Room 308	03:05pm-03:20pm	DISCRETIZATION OF THE CRIME RATE FROM NUM	Suhail Ahmed Memon
4	Room 308	03:25pm-03:40pm	A Smart Sensor-based Gesture Recognition System for M	Muhammad Hamza and Aamir Arsalan
5	Room 308	03:45pm-04:00pm	Image Processing Based Detecting & Tracking for Secur	Naqeeb Ullah
6	Room 308	04:05pm-04:20pm	Robust Nonlinear Control Design and Disturbance Estima	Muhammad Umair
7	Room 308	04:20pm-04:35pm	Reliability Management Framework and Recommender S	Ayesha Nasir
Session 5 - Computing - V (Software Engineering and Miselleneous)				
Session Chair : Dr.Qamar-ud-Din Khand and Dr.Ahsanullah Abro			Session Manager: Mr.Syed Hiffazat Ali Shah	
S.No	VENUE	Timing	Topic	Presenters
1	Room 309	02:30pm-02:45pm	Software Outsourcing Evaluation Management Model (SC	jamshed ahmad
2	Room 309	02:45pm-03:00pm	Effects of Code Cloning in Mobile Applications	AZHAR IMRAN
3	Room 309	03:05pm-03:20pm	Anti-Social Behavior Detection in Urdu Language Posts o	Muhammad Sohail
5	Room 309	03:45pm-04:00pm	Visual Landmarks Recognition of Urban Structures using	Syed Kazim Raza
6	Room 309	04:05pm-04:20pm	Practical Implications and Challenges of Multispectral Im	Syed Muslim Jameel
2:30 am - 3:10 pm		Keynote Speeches - Mathematics		Venue: Academic Block - 2
6	Room 106	02:30 pm - 03:10 pm	Symmetry Analysis by Prof. Dr. Asghar Qadir	
03:10 pm - 5:00 pm		Session 1 - Parallel Presentations - Mathematics		Venue: Academic Block - 2
Session Chair : Dr. Zahid Hussain Shaikh			Session Manager: Raja Fawad Zafar	
S.No	VENUE	Timing	Topic: Mathematical Finance /Stochastic process	Presenters
1	Room 106	03:10 pm - 03:25 pm	Pricing Weather Derivatives through volatility uncertainty	Pervez A Malah (Sukkur IBA)
2	Room 106	03:25pm - 03:40 pm	Two dimensional black-sholes time fractional or	Dr. Kamran Zakaria (NED University)
3	Room 106	03:40 pm - 03:55 pm	Modellig Credit Risk Structural models driven by Mixed I	Munawar Ali (SIBAU)
4	Room 106	03:55 pm - 04:10 pm	On Forward and Backward Wave Reflections of a Horizor	Muhammad Inam et al (QUEST)
5	Room 106	04:10 pm - 04:25 pm	On Wave Phenomena of Linear, Semilinear and Quasiline	Azam Amur et al (QUEST)
6	Room 106	04:25 pm - 04:40 pm	Wave Reflections and Damping Properties for an Axially Moving String	Dr. Sajad H. Sandilo (QUEST)
7	Room 106	04:40pm-5:00pm	Hybrid Wave-forms for Precessing binary black holes for LIGO data	Dr. Jam Sadiq SIBAU
Session 2				
Session Chair : Dr. Irshad Ahmed			Session Manager: Irfan Ali Qureshi	
S.No	VENUE	Timing	Topic: Applied Mathematical analysis	Presenters
1	Room 109	03:10 pm - 03:25 pm	Sensitivity and Design Point Analysis of RD-93 Engine at Static	Maria Sadaf (Air Uni)
2	Room 109	03:25pm - 03:40 pm	On Transversal Vibrations of an Axially Moving String U	Sunny Kumar et al (QUEST)
3	Room 109	03:40 pm - 03:55 pm	On Laplace Transform Method for Damped String-Like E	Sanaulah Dehraj (QUEST)
4	Room 109	03:55 pm - 04:10 pm	Construction of the Exact Solution of Ripa Model with Pr	Dr. Sidrah Ahmed (SIBAU)
5	Room 109	04:10 pm - 04:25 pm	Influence of energy activation on MHD flow of Prandtl N	Syed Sohaib Bin Zafar (Federal Urdu University Karachi)
6	Room 109	04:25 pm - 04:40 pm	CFD analysis of baffles' design and the effect of heat tran	Majid Ali Wassan (MUET SZAB, Khairpur Campus)
Tea Break (05:00 PM- 05:20 PM)				
Dinner and Cultural Night (8:00 pm - 10:30 pm) - 29- JAN, 2020				Venue: Football G
DAY 2 - Thursday 30th January 2020				
Opening Session (09:00 am-11:30 am)				
S.No	VENUE	Timing		
1	Auditorium	09:00 am - 09:10 am	Opening	
2	Auditorium	09:10 am - 09:20 am	Recitation of Holy Quran	
3	Auditorium	09:20 am - 10:05 am	Inverse Monoids in Computer Science & Mathematics by Prof. Dr. Peter M. Hines	
4	Auditorium	10:05am-10:50am	Renewable Energy: Conservation by Wind by Prof. Dr. Dil Muhammad Akbar Hussain	
5	Auditorium	10:50am-11:30am	Government-driven Research Network for Science Knowledge By Prof.Dr. Woojin Seok	
6	Fab Lab	09:00 am - 02:00 pm	AI Workshop by Roozbeh Aliabadi (seprate registration is requird)	
11:45 am - 12:00 pm		Tea Break		Venue: Football Ground
12:00 pm - 1:45 pm		Keynote Speeches - Computing		Venue: Auditorium
1	Auditorium	12:00 pm - 12:45 pm	Keynote Talk by Prof. Dr. Khalil Khombati	
2	Auditorium	01:00 pm - 01:45 pm	Keynote Talk by Prof.Dr. Sadiq Ali Khan	
12:00 pm - 12:40 pm		Keynote Speeches - Mathematics		Venue: Room 106
1	Room 106	12:00 pm - 12:40 pm	Groups of Lie type in extended affine Lie Theory by Prof. Dr. Saeid Azam	
12:40:00 PM - 01:10 pm		Parallel Presentations - Mathematics		Venue: 106
Session 1 - Parallel Presentations - Mathematics				
Session Chair: Prof. Dr. Sarwar Jahan Abbasi			Session Manager: Mr. Adnan Rauf	
S.No	VENUE	Timing	Topic	Presenters
1	Room 106	12:40 pm - 12:55 pm	Recycling eigenvectors for solving Linear System	Muhammad Suleman (GHS Karoondi under SIBA)
2	Room 106	12:55 pm - 01:10 pm	On Comparison of Straightforward Expansion and Two Ti	Khalid H Malak et al (QUEST)
01:10 pm - 01:45 pm		Keynote Speeches - Mathematics		Venue: Room 106
1	Room 106	01:10 am - 01:45 pm	Memory and Communication Profiling for Accelerator-based Platforms by Dr. Imran Ashraf	
01:45 pm - 2:30 pm		Lunch Break + Namaz		
02:30 am - 03:10 pm		Keynote Speeches - Mathematics		Venue: Room 106
1	Room 106	02:30 am - 03:10 pm	Algebraic Characterization of Discrete Geometrical Objects by Imran Anwar	
03:10 pm - 03:55 pm		Parallel Presentations - Mathematics		Venue: 106

Session 1 -				
Session Chair : Dr. Zarqa Session Manager: Shumaila Ambreen				
S.No	VENUE	Timing	Topic	Presenters
1	Room 106	03:10 pm - 03:25 pm	Fourier Transform of Riemann-function and a result supp	Irfan Ali Bhatti (SIBAU)
2	Room 106	03:25 pm - 03:40 pm	On Damping Properties for an Axially Translating String	Sindhu Jamali et al (QUEST)
3	Room 106	03:40 pm - 03:55 pm	Mathematics Achievement of Grade VIII Students Based	Gul Bahar Chachar et al (SIBAU)
12:00 pm - 01:45 pm		Parallel Presentations - Engineering Technologies		Venue: Academic Block - 2
Session 1 -				
Session Chair : Dr. Yameen Sandhu Session Manager: Engr. Umar Randhawa				
S.No	VENUE	Timing	Topic: Advanced Antenna Design	Presenters
1	Room 304	12:00 pm - 12:15 pm	Dual Band Notch Planar Patch Antenna for UWB Applica	Asma Ejaz (University of Engineering and Technology)*; M
2	Room 304	12:15pm-12:30pm	Circular Polarized Re- Configurable Patch Antenna for Fu	Arsalan Ahmad (UET Taxila)*; Ali Raza (UET Taxila)
3	Room 304	12:30 pm-12:45 pm	Pattern Reconfigurable Two Element Printed Patch Anten	Muhammad Usman (UET Peshawar)*; Siraj Tanoli (UET Pe
4	Room 304	12:45 pm-01:00 pm	An integrated 4G Array with mm-wave 5G MIMO Antenn	Syeda Iffat (UET Taxila)*; Mahnoor Khalid (University of E
5	Room 304	01:00pm-01:15pm	Comparative Analysis of Symmetrical and the Asymmetri	Falak Naz (Department of Telecommunication Engineering,
6	Room 304	01:15pm-01:30pm	Time-Domain Wireless Channel Sounding Using Softwar	Mir Lodro (University of Nottingham, UK)*
Session 2 -				
Session Chair : Dr. Asim Ali Session Manager: Engr. Aizaz Larik				
S.No	VENUE	Timing	Topic: Advanced Signal Processing	Presenters
1	Room 305	12:00 pm - 12:15 pm	Transformation based image de-noising	Muhammad Jamshed Abbas (Riphah international university
2	Room 305	12:15pm-12:30pm	Kalman Filter Based Prediction of Remaining Useful Life	Bilal H Hussain Shah (NUST-PNEC)*; Tariq Mairaj Khan (
3	Room 305	12:30 pm-12:45 pm	ISAR Imaging using FFT with Polar Reformatting of Mea	Ahmad Bilal (Pakistan Aeronautical Complex)*; Syed M. Ha
4	Room 305	12:45 pm-01:00 pm	Non-intrusive Speech Quality Assessment using Natural S	Shakeel Zafar (UET Taxila); Imran Nizami (Bahria Universi
5	Room 305	01:00pm-01:15pm	Vessel Segmentation using High Boost and ISODATA	Zainiab Jadoon, Shaban Ahmad, Muhammad Ammar Khan J
6	Room 305	01:15pm-01:30pm	A Comparative Study of Automatic Vessel Segmentation	Owais Ali ,Owais Ali , Nazeer Muhammad , Zainiab Jadoon
Session 3 -				
Session Chair : Dr. Safer Hyder Session Manager: Engr. Irfan Latif / Engr.Fawad				
S.No	VENUE	Timing	Topic: Advanced MPPT Systems	Presenters
1	Room 306	12:00 pm - 12:15 pm	Robust and Optimal Maximum Power Point Tracking Con	Waqas Ahmad Mirza (Riphah International University, Islan
2	Room 306	12:15pm-12:30pm	Variable Gain Real-twisting Sliding Mode MPPT Control	laiq khan (COMSATS University Islamabad)*
3	Room 306	12:30 pm-12:45 pm	Backstepping based MPPT Control Technique for Perman	Zain Ahmad Khan (COMSATS University Islamabad, Abbo
4	Room 306	12:45 pm-01:00 pm	Robust Fault Diagnosis and Fault Tolerant MPPT Control	laiq khan (COMSATS University Islamabad)*
5	Room 306	01:00pm-01:15pm	Robust Control Design for DFIG based Wind Turbine und	kamran zeb
6	Room 306	01:15pm-01:30pm	Terminal Sliding Mode based Finite-Time MPPT Control	laiq khan (COMSATS University Islamabad)*
Session 4 -				
Session Chair : Dr. Gulsher Ali Session Manager: Engr. Ghulam Akbar				
S.No	VENUE	Timing	Topic: Electrical Machines and Drives	Presenters
1	Room 307	12:00 pm - 12:15 pm	Comparison of Rectangular and Trapezoidal Slot Structur	Muhammad Jawad (CECOS Peshawar); Irshad Ullah (Unive
2	Room 307	12:15pm-12:30pm	Influence of Stator Design on the Thrust Force Performan	Noman Qasim (UET Peshawar); Abdul Basit (UET Peshawa
3	Room 307	12:30 pm-12:45 pm	A new reliable Single-Stage Single-Phase Ac-Ac Convert	Shabab Zahra (NFC-Institute of Engineering and Technology
4	Room 307	12:45 pm-01:00 pm	Comparison of Flow-Solvers: Linear Vortex Lattice Meth	Tahura Shahid (AvRID, PAC)*
5	Room 307	01:00pm-01:15pm	Digital Generators and Consumers Buying Behavior	Khalid Jamil (North China Electric Power University)*
6	Room 307	01:15pm-01:30pm	Protection Scheme Design for Star Connected PMSG Bas	Muhammad Rameez Javed (UET Lahore); Aashir Waleed (
Session 5 -				
Session Chair : Dr. Muhammad Waqas Session Manager: Engr. Shoaib Ahmed				
S.No	VENUE	Timing	Topic: Advanced Grid Systems	Presenters
1	Room 309	12:00 pm - 12:15 pm	Optimal Evaluation of Power System Harmonics in Smart	Muhammad Abdullah (Uet Taxila)*
2	Room 309	12:15pm-12:30pm	Towards an Optimal Residential Home Energy Managem	Muhammad Muzaffar Iqbal (UET Taxila)*; Muhammad W
3	Room 309	12:30 pm-12:45 pm	Load Frequency Control for EVs based Smart Grid System	R. Asghar (UET Peshawar); A. Ali (CUI Abbottabad); F. Re
4	Room 309	12:45 pm-01:00 pm	Effective Strategy for Micro-Grid Protection Assisted Div	Muhammad Shoukat Ashfaq (NFC Institute of Engineering
5	Room 309	01:00pm-01:15pm	A Review on Hybrid Energy Storage Systems in Microgri	Yameena Tahir (University of Engineering and Technology
6	Room 309	01:15pm-01:30pm	Electric Vehicles Interactions for Efficient Energy Perform	A. Basit (CUI Abbottabad Campus); Zahid Ullah (UMT Lah
Session 6 -				
Session Chair : Dr. Fareed Ahmed Session Manager: Engr. Shakeel				
\	VENUE	Timing	Topic: Energy Systems and Management-II	Presenters
1	Room 310	12:00 pm - 12:10 pm	A Review of Structural Optimization Techniques for V	Nouman Saeed
2	Room 310	12:15pm-12:25pm	Investigation of improvement potential of Modified Single	Ali Rehman (University of Science & Technology Beijing, B
3	Room 310	12:25 pm-12:35 pm	Cost Benefit Based Analytical Study of Automatic Meter	Dr. Muhammad Yousaf Ali Khan (Gomal Uni)*
4	Room 310	12:40 pm-12:55 pm	Analyzing the Green Technology Market Focus on Enviro	Khalid Jamil (North China Electric Power University)*
5	Room 310	01:55pm-01:05pm	Thermodynamic investigation of R744 and R134a based	Fatima Akhtar (Bahauddin Zakariya University, Multan); M
6	Room 310	01:05pm-01:10pm	Mutual Interactive Effects of Environment and Consumer	S. M. Ali (COMSATS University Islamabad, Abbottabad C
7	Room 310	1:10pm-1:20pm	Blade Meridional Profile Optimization for Novel High-Pr	Amjid Khan (CECOS University of IT and Emerging scienc
8	Room 310	1:25pm-1:35pm	Role of Reward satisfaction on Employee Outcome: A case of power distribution sector of Pakistan	

9	Room 310	1:35pm-1:45pm	Development of Eco-industrial park in Sindh, Pakistan	Waseem Ahmed
Session Chair : Dr. Abdul Aziz / Dr. Saeed Ahmed Session Manager: Engr. Fida Hussain				
S.No	VENUE	Timing	Topic: Advanced Instrumentation Systems	Presenters
1	Room 308	12:00 pm - 12:10 pm	Trend Analysis for Brain Source Localization Techniques	Munsif Ali Jatoi (The Benazir Bhutto Shaheed University of
2	Room 308	12:15pm-12:25pm	Condition Based Maintenance of Oil and Gas Equipment	Tayaba Abbasi (Curtin University, Malaysia)*; Toufique So
3	Room 308	12:25 pm-12:35 pm	Bowling Action Analysis using Microsoft Kinect 360	Usama Muddassar (NUST)*
4	Room 308	12:40 pm-12:55 pm	Survey on Clustering Trajectories of moving objects	Sajid Ali Khan , Fahad Hussain (SIBAU)
5	Room 308	01:55pm-01:05pm	IoT Based Water Quality Monitoring System for Safe Dri	Dr. Abdul Aziz SIBAU
6	Room 308	01:05pm-01:10pm	FPGA BASED REAL-TIME FACE AUTHORIZATION	Zeeshan Ahmed Soomro (Department of Electronic enginee
7	Room 308	1:10pm-1:20pm	Comparative Analysis of Fault Detection for HVDC Trans	Naveed ahmed Bellar
8	Room 308	1:25pm-1:35pm	Automated Hand X-Ray Based Gender Classification and	Muhammad Marouf
02:30 pm - 04:00 pm		Keynote Speeches - Engineering Technologies		Venue: Auditorium
1	Auditorium	02:30pm-03:15pm	Latest Post-Processing Techniques in Experimental Fluid Mechanics by Mr. S.Süleyman Turnaoglu	
2	Auditorium	03:15 pm – 04:00 pm	Grid Free Living – Challenges and Opportunity for Pakistan to take a Leading Role in Indigenous Solutions Prof. Dr. Nauman	
02:30 pm - 04:00 pm		Parallel Presentations - Computing		Venue: Academic Block - 3
Session 1 - Computing - I (Computer Communication Network)				
Session Chair : Dr. Abdul Waheed Menehsar and Dr.Syed Asif Raza Shah			Session Manager: Miss Sana Fatima	
S.No	VENUE	Timing	Topic	Presenters
1	Room 304	02:30 pm - 02:45 pm	Blockchain-based Land Record Managment in Pakistan	Muhammad Aquib Shaikh
2	Room 304	2:45 pm - 03:00 pm	Proposing Model for Security of IoT Devices in Smart Lo	Arbab Waseem Abbas
3	Room 304	03:00pm-03:15pm	Blockchain based Competent Consensus Algorithm for Se	Muhammad Rehman Shahid
4	Room 304	03:15pm-03:30pm	A Critical Review of Blockchain Consensus Model	Manzoor Ahmed Hashmani
5	Room 304	03:30pm-03:45pm	The Impact of Transmission Range on Performance of Ma	Usman Zeb
Session 2 - Computing - II (Software Engineering)				
Session Chair : Dr.Zeeshan Bhatti and Abdul Rehman Gilal			Session Manager: Miss Sehar Gul	
S.No	VENUE	Timing	Topic	Presenters
1	Room 305	02:30 pm - 02:45 pm	Robust Heart Disease Prediction: A Novel Approach based on S	Muhammad Affan Alim
2	Room 305	02:45pm-03:00pm	EXTENDING THE SCRUM TO INTRODUCE THE CO	Azaz Ahmed Kiani
3	Room 305	03:00pm-03:15pm	A Survey – Problems Affecting Software Maintenance	Syed Sarmad Ali
4	Room 305	03:15pm-03:30pm	RGB based EEG Controlled Virtual Keyboard for Physica	Noman Naseeb
5	Room 305	03:30pm-03:45pm	Improving Software Architecture Design Decision by Sele	Ghulam Abbas
6	Room 305	03:45 pm - 03:55 pm	Concepts, Analysis, Issues of smartphone and Smart devic	SUNBUL SAJID KHUWAJA
Session 3 - Computing - III(Artificial Intelligence)				
Session Chair : Dr.Ahsanullah Abro and Dr. Samar raza talpur			Session Manager: Mr.Syed Hiffazat Ali Shah	
S.No	VENUE	Timing	Topic	Presenters
1	Room 306	02:30 pm - 02:45 pm	Detecting Faulty Sensors using Probabilistic Database	ASIF ALI WAGAN
2	Room 306	02:45pm-03:00pm	English to Urdu: Optimizing Sequence Learning in Neural	Shahid Iqbal Rai
3	Room 306	03:00pm-03:15pm	Feature Selection for Unsupervised Bot Detection	hunia khalil Raja
4	Room 306	03:15pm-03:30pm	Detection of Fake News Using Transformer Model	Momina Qazi
5	Room 306	03:30pm-03:45pm	Image Hashing based Secure Communication Scheme for	Hassan Azeem
04:00 pm - 04:15 pm		Tea Break		Football Ground
CLOSING CEREMONY				
Closing (04:15 pm- 05:15 pm)				
S.No	VENUE	Timing		
1	Auditorium	4:15 pm - 4:25 pm	Dr.Javiad Brohi	
1	Auditorium	4:25 pm - 4:35 pm	Dr. Ahmed Waqas	
2	Auditorium	4:35 pm - 4:45 pm	Dr. Faheem Akhtar	
4	Auditorium	4:45 pm - 4:55 pm	Closing Remarks : Engr: Zahid Khand - Registrar, Sukkur IBA	
5	Auditorium	4:55 pm - 05:15 pm	Souvenirs Distribution and group photo	
Poster registration				
Power Generation of Pure Sine Wave in Batteryless Solar System using Advance Control				Muhammad Siddique
Full State Observer Design for Cuk Converter				Muhammad Salman Bashir (CEME,NUST,pakistan)*
Design Automatic lift control with status Alert Capabilities through internet				Syed Abid Ali Shah (QUEST)*; Shafique Ahmed Soomro (FEST)
Brain Computer Interface for Home Automation				Dr. Ahmed Ali Shah