

	<b>1<sup>st</sup> International Conference on Electrical, Communication and Computer Engineering, (ICECCE2019)</b> <b>July 24<sup>th</sup> – 25<sup>th</sup> , 2019, Swat Serena Hotel KP, Pakistan</b>			
<b>CONFERENCE PROGRAM SCHEDULE</b>				
<b>Day 1</b>				
<b>July 24, 2019</b>				
08:00 – 09:00	Registration & Guests to be Seated (Venue: Wali Lounge)			
	Recitation from the Holy Quran (Venue: Wali Lounge)			
09:00 – 09:10	Conference Overview/Welcome Speech Prof. Dr. Muhammad Farooq / Patron In Chief			
	Opening Remarks			
09:10 – 09:20	Prof Dr. Salim Ur Rahman, Vice Chancellor, SUIT Peshawar			
09:20 – 09:30	Prof. Dr. Aqdas Naveed Malik General Chair/ Vice President IIUI(HSR)			
09:30 – 09:40	Address by Chief Guest/ Guest of Honor			
09:40 – 09:50	Address by Prof. Dr. M. Akram Shaikh (DG PASTIC)			
09:50 – 10:00	Address by Dr. Khalid Khan Director Dost			
10:00 – 10:05	Vote of Thanks: Dr. Shafqat Ullah Khan, Conference Chair			
10:05 – 10:35	Keynote Speaker 1: Prof. Dr. Shoab Ahmad Khan Future Trends in Electrical, Communication and Computer Engineering for Knowledge Economy (Venue: Wali Lounge)			
10:35 – 11:00	Tea Break			
11:00 – 11:30	Keynote Speaker 2: Prof. Dr. Sheroz Changing Scenario of Energy Grids –Renewable Energy Converters for Solar and Energy Storage Integration (Venue: Wali Lounge)			
11:30 – 12:00	<b>Keynote Speaker 3</b> Prof. Dr. Gulistan Raja, University of Engineering & Technology, Taxila (Venue: Wali Lounge)	<b>Keynote Speaker 4</b> Prof. Dr. Aamer Iqbal Bhatti, Capital University of Science & Technology (Venue: Wazir House)		
12:00 – 13:30	<b>A1:</b> Power Generation and Renewable Energy Systems (Venue: Wali Lounge)	<b>A2:</b> Wireless Communication Systems (Venue: Hall- I)	<b>A3:</b> Intelligent Robotics and Control Systems (Venue: Wazir House)	<b>A4:</b> Antennas, Propagation and Radar Systems (Venue: Hall- II)
13:30 – 14:30	Lunch (Venue Banquet Hall) and Prayer Break			
14:30 – 16:30	<b>A1:</b> Power Generation and Renewable Energy Systems (Venue: Wali Lounge)	<b>A2:</b> Wireless Communication Systems (Venue: Hall- I)	<b>A3:</b> Intelligent Robotics and Control Systems (Venue: Wazir House)	<b>A4:</b> Antennas, Propagation and Radar Systems (Venue: Hall- II)
16:30 – 18:00	<b>A1:</b> Power Generation and Renewable Energy Systems (Venue: Wali Lounge)	<b>A2:</b> Wireless Communication Systems (Venue: Hall- I)	<b>A3:</b> Intelligent Robotics and Control Systems (Venue: Wazir House)	<b>A4:</b> Antennas, Propagation and Radar Systems (Venue: Hall- II)

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<b>CONFERENCE PROGRAM SCHEDULE</b>			
<b>Day 2</b>			
<b>July 25, 2019</b>			
08:30 – 09:00	Registration & Arrival of Participants		
09:30 – 10:00	<b>Keynote Speaker 5</b> Dr. Atta ur Rehman Imam Abdulrahman Bin Faisal University, KSA (Venue: Wali Lounge)		<b>Keynote Speaker 6</b> Dr. Tariq Zaman, Associate Fellow, Malaysian Commonwealth Studies Centre, Trinity College, Cambridge (Venue: Wazir House)
10:00 – 11:00	<b>A1:</b> Power Generation and Renewable Energy Systems (Venue: Wali Lounge)	<b>B1:</b> Neural Networks, Deep Learning and Intelligent Systems (Venue: Hall- I)	<b>B2:</b> Signal and Image Processing Techniques (Venue: Hall- II)  <b>C2:</b> IPID-DoST Postgraduate strand (Venue: Wazir House)
11:00 – 11:30	Tea Break		
11:30 – 13:00	<b>C1:</b> Mixed Topics (Venue: Hall- I)	<b>B3:</b> Networks Security and Reliability (Venue: Hall- II)	<b>Keynote Speaker 7</b> Dr. Atteq ur Rehman, Hamad Bin halifa University, Qatar (Venue: Wali Lounge)  <b>C2:</b> IPID-DoST Postgraduate strand (Venue: Wazir House)
13:00 – 14:00	Lunch (Venue Banquet Hall) and Prayer Break		
14:00 – 15:30	<b>A1:</b> Power Generation and Renewable Energy Systems (Venue: Hall- I)	<b>B1:</b> Neural Networks, Deep Learning and Intelligent Systems (Venue: Hall- II)	<b>B4:</b> Software Engineering (Venue: Wali Lounge)  <b>C2:</b> IPID-DoST Postgraduate strand (Venue: Wazir House)
15:30 – 17:30	<b>A1:</b> Power Generation and Renewable Energy Systems (Venue: Hall- I)	<b>B2:</b> Signal and Image Processing Techniques (Venue: Wali Lounge)	<b>A1:</b> Power Generation and Renewable Energy Systems (Venue: Wazir House)  <b>B1:</b> Neural Networks, Deep Learning and Intelligent Systems (Venue: Hall- II)

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<b>Technical Sessions</b>		
<b>1.</b>	<b>Power Generation and Renewable Energy Systems</b>	<b>Session- A1</b>
<b>2.</b>	<b>Wireless Communication Systems</b>	<b>Session-A2</b>
<b>3.</b>	<b>Intelligent Robotics and Control Systems</b>	<b>Session-A3</b>
<b>4.</b>	<b>Antennas, Propagation and Radar Systems</b>	<b>Session-A4</b>
<b>5.</b>	<b>Neural Networks, Deep Learning and Intelligent Systems</b>	<b>Session-B1</b>
<b>6.</b>	<b>Signal and Image Processing Techniques</b>	<b>Session-B2</b>
<b>7.</b>	<b>Networks Security and Reliability</b>	<b>Session-B3</b>
<b>8.</b>	<b>Software Engineering</b>	<b>Session-B4</b>
<b>9.</b>	<b>Mixed Topics</b>	<b>Session-C1</b>
<b>10.</b>	<b>IPID-DoST Postgraduate strand</b>	<b>Session-C2</b>

<b>Day: 1 Parallel Session A1</b>		
<b>Power Generation and Renewable Energy Systems</b>		
<b>Venue: (Venue: Wali Lounge)</b>		
<b>Session Chair: Prof. Dr. Aqdas Naveed Malik// Dr. Hasan Ali Khattak</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
12:00– 13:30	Asad Waqar, Muhammad Shahzad Nawaz, Muhammad Aamir, Imtiaz Alam, Syed Umaid Ali and Jehanzeb Ahmad	<b>Paper ID 9:</b> Multi-Objective Analysis of DER Sizing in Microgrids using Probabilistic Modeling
	Ehtasham Mustafa, Nasir Saleem, Aamir Nawaz, Abdul Malik and Muhammad Yousaf Ali Khan	<b>Paper ID 10:</b> Power Loss and Efficiency Analysis of Clamp Double Sub Module using Analytical and Numerical Method
	Aqib Mehmood and Hassan Jamal	<b>Paper ID 15:</b> Analysis on the propulsion of ionic wind during corona discharge in various electrode configuration with high voltage sources
	Arooj Rashid, Jawad Saleem and Muhammad Amin	<b>Paper ID 30:</b> Tracking Investigation of High Temperature Vulcanized Silicone rubber with Hybrid Nano/Micro Silica Composite Insulators
	Tallal Ahmed, Ammar Yaqoob and Muhammad Hamza Latif	<b>Paper ID 32:</b> Financial Impact of Energy Efficient Retrofits on Design of Grid Tied Solar Systems in Pakistan
	Zain Ul Abideen, Aroj Aslam, Habib Ullah Manzoor, Tareq Manzoor and Noman Bashir	<b>Paper ID 34:</b> Cost Optimization of Off Grid Photovoltaic System by Increasing Conversion Efficiency

<b>Day: 1 Parallel Session A1</b>		
<b>Power Generation and Renewable Energy Systems</b>		
<b>Venue: (Venue: Wali Lounge)</b>		
<b>Session Chair: Prof. Dr Muhammad Abdul Rehman Khan Director COMSATS University Attock</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
14:30– 16:30	Habib Ur Rahman Habib, Shaorong Wang, Mahmoud F. Elmorshedy, Asad Waqar, Rasool M. Imran and Kotb M. Kotb	<b>Paper ID 35:</b> Performance Enhancement of Power Converters in PV-Based Microgrid using Model Predictive Control
	Osama Khurshid, Saim Saher and Affaq Qamar	<b>Paper ID 38:</b> Power generation by hybrid approach solar PV/battery power/hydrogen
	Noman Akbar, Muhammad Farooq Umar, Abasin Ulasyar, Haris Sheh Zad, Abraiz Khattak and Raza Kazmi	<b>Paper ID 61:</b> Low Cost Design of a Motor Characterization Test Bed for Control System Validation
	Waqas Farooq, Mahmood Khan and Aimal Daud Khan	<b>Paper ID 68:</b> High performance bulk-heterojunction organic solar cells
	Syed Asfandyar Ali Kazmi, Mahmood Khan, Waqas Farooq and Aimal Daud Khan	<b>Paper ID 69:</b> Influences of Distributive Bragg's Reflector on CdTe Solar Cell
	Sajjad Durrani, Muhammad Junaid Khan, Maaz Sarim, Amir Abdullah, Fahad Khan, Muhammad Aftab and Hazrat Ali	<b>Paper ID 73:</b> Smart Fault Detection and Generator Protection scheme using Arduino and HMI

	Wasiq Ullah, Faisal Khan, Erwan Sulaiman, Muhammad Umair, Noman Ullah and Bakhtiar Khan	<b>Paper ID 86:</b> Influence of Various Rotor Pole on Electromagnetic Performance of Consequent Pole Switched Flux Permanent Magnet Machine
	Gul Faraz, Abdul Majid, Bakhtiar Khan, Jawad Saleem and Naveed Ur Rehman	<b>Paper ID 93:</b> An Integral Sliding Mode Observer Based Fault Diagnosis Approach for Modular Multilevel Converter

**Day: 1 Parallel Session A1**  
**Power Generation and Renewable Energy Systems**

**Venue:** (Venue: Wali Lounge)

**Session Chair: Dr Farooq Ahamd/ Dr. Muhammad Afaq**

<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
16:30– 18:00	Muhammad Usman Aslam and Waqas Umer Draz	<b>Paper ID 95:</b> Optimized Shuttlecock Propulsion Machine to Facilitate Badminton Training
	Yasir Farid, Aimal Daud Khan, Waqas Farooq, Mahmood Khan and Adnan Daud Khan	<b>Paper ID 99:</b> Modeling and Analysis of Novel Tandem Solar Cells
	Ammar Shahid, Aimal Daud Khan and Obaid Ur Rehman	<b>Paper ID 100:</b> Modelling of Highly Efficient Copper Zinc Tin Sulphide (CZTS) Solar Cell for Performance Improvement
	Qais Ali, Hafiz Waleed Ahmad and Syed Ali Abbas Kazmi	<b>Paper ID 109:</b> Looping of Radial Distribution Network to Mitigate the Over Voltage Problems and to Increase the Integrated Capacity of Solar
	Ubaid Rehman, Tanzeel Rashid, Waqas Nazir Awan, Talal Ahmed, Sher Niazi and Faraz Haq	<b>Paper ID 112:</b> Dependence of Bioenergy production on chemical composition and crop Phenology of Biomass feedstock

**Day: 1 Parallel Session A2**  
**Wireless Communication Systems**

**Venue:** (Venue: Hall- I)

**Session Chair: Prof. Dr. Suheel Abdullah/ Dr. Tahir Khattak**

<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
12:00 – 13:30	Muhammad Furqan Haider, Muhammad Muzamil Hassan, Fei You and Shakeel Ahmad	<b>Paper ID 54:</b> Wireless Power Transmission Based on Magnetic Resonance Coupling
	Ghulam Rasool and Maria Khan	<b>Paper ID 62:</b> Recovery of Mobile Game Design Patterns
	Mussawir Mehmood, Waleed Ali, Abasin Ulasyar, Haris Sheh Zad, Abraiz Khattak and Kashif Imran	<b>Paper ID 72:</b> A Low Cost Internet Of Things (LCIoT) Based System For Monitoring And Control of UPS System Using Node-Red, Cloud MQTT And IBM Bluemix
	Muhammad Afzal, Muhammad Umair Wali, Malik Shah Zeb Ali and Arsalan Habib Khawaja	<b>Paper ID 114:</b> Method for non-intrusive electric current estimation with concentrated magnetic field
	Muhammad Umair Wali, Malik Shah Zeb Ali, Muhammad Afzal and Arsalan Habib Khawaja	<b>Paper ID 117:</b> Condition Monitoring of Insulators for Ageing Detection Via Magnetic Field Measurements
	Malik Shah Zeb Ali, Muhammad Afzal, Muhammad Umair Wali and Arsalan Habib Khawaja	<b>Paper ID 131:</b> A Contactless Method for Measuring Unbalanced Loading of Utility Transformer

<b>Day: 1 Parallel Session A2</b>		
<b>Wireless Communication Systems</b>		
<b>Venue: (Venue: Hall- I)</b>		
<b>Session Chair: Dr. Muhammad Asif Zahoor Raja/ Dr. Mahmood Khan</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
14:30 – 16:30	Muhammad Sajjad Khan, Su Min Kim, Eung Hyuk Lee and Junsu Kim	<b>Paper ID 179:</b> A Contention Window Based Approach for Sensing Reports in Cognitive Radio Networks
	Hassan Jamal, Muhammad Huzaifa, Mobolaji Aduramo Sodunke and Joseph Ogheneruemu Odiete	<b>Paper ID 194:</b> Smart Heat Stress and Toxic Gases Monitoring Instrument with a Developed Graphical User Interface Using IoT
	Tassadaq Hussain	<b>Paper ID 197:</b> SDDRM: Software Defined Digital Radio Mondiale
	Syed Zain Ul Abideen Kazmi, Usman Khan Khalil and Javed Iqbal	<b>Paper ID 225:</b> Distributed Cooperative Caching for Wireless Information Centric Networks: Local Request Rate Approach
	Inayat Khan, Shah Khusro and Iftikhar Alam	<b>Paper ID 245:</b> Smartphone Distractions and its Effect on Driving Performance using Vehicular Lifelog Dataset
	Hashmi Asfandiyar, Noor Gul, Imtiaz Rasool and Atif Elahi	<b>Paper ID 251:</b> Enhanced Cooperative Spectrum Sensing in Cognitive Radio Network Using Flower Pollination Algorithm
	Summan Zeb, Shah Khusro, Shaukat Ali and Fakhre Alam	<b>Paper ID 272:</b> Smartphone based indoor navigation for blind persons using user profile and simplified building information model
	Waheed Murad, Shah Khusro, Iftikhar Alam and Shaukat Ali	<b>Paper ID 275:</b> Recommending Expert Freelancers To Buyers In Online Marketplaces

<b>Day: 1 Parallel Session A2</b>		
<b>Wireless Communication Systems</b>		
<b>Venue: (Venue: Hall- I)</b>		
<b>Session Chair: Dr. Saeed Ur Rehman/ Dr. Sadiq Akbar</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
16:30– 18:00	Umar Draz, Tariq Ali and Sana Yasin	<b>Paper ID 277:</b> Watchman-based Data Packet Forwarding Algorithm for Underwater Wireless Sensor and Actor Networks
	Bakhtawar Aslam, Rabia Abid, Muhammad Rizwan, Fahad Ahmad and Mian Usman Sattar	<b>Paper ID 282:</b> Heterogeneity Model for Wireless Mobile Cloud Computing & its Future Challenges
	Inaamullah Khan, Alam Zaib, Shahid Khattak and Shoaib Azmat	<b>Paper ID 307:</b> Data Aided Channel Estimation for OFDM Wireless Systems using Reliable
	Muhammad Ahsan Mahboob and Bekir Genc	<b>Paper ID 310:</b> Evaluation of Iso data Clustering Algorithms for Mapping of Surface Gold Mining using Multispectral Remotely Sensed Satellite
	Muhammad Tayyeb, Syed Zulqadar Hassan, Tariq Kamal, Umar Riaz, Amir Zahoor, Muhammad Abbas Khan, Muhammad Awais, Hamza Kaleem, Abdul Ahad Munir and Diyan Ahmad	<b>Paper ID 316:</b> Sensor based Smart Office Control System

	Rashed Ahmed, Atif Elahi, Noor Gul, Nadir Ali Khan and Shafi Ullah Khan	<b>Paper ID 340:</b> Minimization Of The Out Of Band Radiations In Orthogonal Frequency Division Multiplexing Using Modified Generalized Sidelobes Canceler
	Abdul Kaleem, Sana Ul Haq, Atif Elahi and Noor Gul	<b>Paper ID 342:</b> Minimization Of Out Of Band Radiation In OFDM Based Cognitive Radio Systems Using Multiple Generalized Side-Lobes
	Salaar Khan, Adil Bashir	<b>Paper ID 410:</b> Assessment of intra-hepatocellular lipid content using magnetic resonance spectroscopy

<b>Day: 1 Parallel Session A3</b>		
<b>Intelligent Robotics and Control Systems</b>		
<b>Venue:</b> (Venue: Wazir House)		
<b>Session Chair: Prof. Dr. Muhammad Amir</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
12:00– 13:30	Asad Khan, Salman Saleem, Imran Khan, Shakeel Ahmad Waqas, Muhammad Shoaib and Daud Khan	<b>Paper ID 17:</b> Path Finding and Selection Scheme Using Fuzzy logic For Multi-Hop Cooperative Mesh Network
	Javaria Nadeem, Ayesha Akhtar and Faridullah Khan	<b>Paper ID 22:</b> Parametric Analysis and Optimization of Non-Contact Transversally Actuated RF MEMS Switch with High Reliability for Wireless Applications
	Muhammad Asim, Danish Ali, Fahad Wallam, Adeel Abbas and Mukhtar Ullah	<b>Paper ID 36:</b> Performance Analysis of State Feedback Sliding Mode Controller for Experimental Setup of DC Motor
	Arshed Ahmed, Noor Gul, Imtiaz Rasool and Atif Elahi	<b>Paper ID 37:</b> Performance comparison of hard decision schemes in the presence of malicious
	I. Sami, S. M. Ali, R. Asghar, I. Khan, M. A. Abid, Z. Ullah, B. Khan and C. A. Mehmood	<b>Paper ID 52:</b> Linear and Nonlinear Control Schemes for Smart Grid
	Sana Moin, Usman Zafar, Zehra Haider, Saman Khan, Anum Khan and Hashim Raza Khan	<b>Paper ID 92:</b> A High Gain Amplifier Design for Neural Signal Acquisition

<b>Day: 1 Parallel Session A3</b>		
<b>Intelligent Robotics and Control Systems</b>		
<b>Venue:</b> (Venue: Wazir House)		
<b>Session Chair: Dr Farman Ullah Khan Khattak/ Dr. Murad Khan</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
14:30 – 16:30	Abdullah Rashid and A. Mahmood	<b>Paper ID 170:</b> Development and LQR Control of Prosthetic Leg Prototype for Human Gait
	Bilal Sadiq and Asif Mahmood	<b>Paper ID 187:</b> Physiological Based Motor Control of Postural Balance
	Waqas Nadeem	<b>Paper ID 189:</b> Analysis of Smart Citizens: A Fuzzy Based Approach
	Muhammad Saleem, Muhammad Adnan Khan, Sagheer Abbas, Muhammad Asif, Muhammad Hassan and Javaid Ahmad Malik	<b>Paper ID 193:</b> Intelligent FSO Link for Communication in Natural Disasters empowered with Fuzzy Inference System
	Muhammad Tabish, Akhtar Kalam and Aladin Zayegh	<b>Paper ID 239:</b> Robot DC Servo Motor Parameters Estimation in a closed loop Using BAT Optimization Algorithm

	Ahmad Mahmood, Aamer Iqbal Bhatti and Bilal Ahmed Siddiqui	<b>Paper ID 265:</b> Landing of Aircraft Using Integral State Feedback Sliding Mode Control
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<b>Day: 1 Parallel Session A3</b>		
<b>Intelligent Robotics and Control Systems</b>		
Venue: (Venue: Wazir House)		
Session Chair: Dr. Affaq Qamar/ Dr. Muhammad Kamran		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
16:30 – 18:00	Mannan Hassan, Xinglai Ge, Rao Atif, Woldegiorgis Abebe Teklu, Hafiz Mudassir Munir and Muhammad Amjad	<b>Paper ID 267:</b> Model Predictive Current Control of Multilevel Inverter in Traction System
	Ali Abbas, Syed Zulqadar Hassan, Tasawar Murtaza, Abdullah Mughees, Tariq Kamal, Muhammad Abbas Khan and Q. D. Memon	<b>Paper ID 280:</b> Design and Control of Magnetic Levitation System
	Usman Zafar, Sidra Ghayour and Muhammad Farhan	<b>Paper ID 295:</b> Higher Order Sliding mode based Monopulse tracker
	Furqan Naqvi, Sohail Iqbal and Qurat-ul Ain	<b>Paper ID 299:</b> Energy Optimization in Smart Buildings using Intelligent Fuzzy Ventilation
	Zohaib Latif, Aamer Iqbal Bhatti and Ali Arshad	<b>Paper ID 323:</b> Cooperative Adaptive Cruise Control using Pontryagin's Minimum Principle
	Muhammad Jamshed Abbas, Haris Sheh Zad, Muhammad Awais and Abasin Ulasyar	<b>Paper ID 328:</b> Robust Sliding Mode Position Control of Electro-Hydraulic Servo System
	Yasir Naeem, Aamer Iqbal Bhatti and Ahmad Mahmood	<b>Paper ID 370:</b> Longitudinal Cruise Control of a Car using Sliding Mode Approach
	Muhammad Awais, Syed Zulqadar Hassan, Tariq Kamal, Amir Zahoor, Muhammad Abbas Khan and Muhammad Tanveer Riaz	<b>Paper ID 405:</b> Control System for Spinning Machine Induction Motor using PLC

<b>Day: 1 Parallel Session A4</b>		
<b>Antennas, Propagation and Radar Systems</b>		
Venue: (Venue: Hall- II)		
Session Chair: Prof. Dr. Saeed Badshah/ Dr. Saqib Nisar		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
12:00 – 13:30	Kifayatullah Bangash, Mohammad Mahmood Ali and Husnal Maab	<b>Paper ID 42:</b> Design of a Millimeter Wave Micro strip Patch Antenna and Its Array for 5G
	Mohsin Khalil and Zaheer Shamsi	<b>Paper ID 85:</b> Lightning Protection Design for Radar Antennae: Musings from a Case Study
	Usman Khan Khalil, Syed Zain Ul Abideen Kazmi and Javed Iqbal	<b>Paper ID 97:</b> A Novel design of Multilayered Bowtie Nano-antenna for SERS applications
	Musa Hussain and Nabigha Nadeem	<b>Paper ID 130:</b> A Co-Planer Waveguide Feed Dual Band Antenna with Frequency Reconfigurability for WLAN and WiMax
	Sidra Farhat, Farzana Arshad, Syeda Iffat Naqvi and Yasar Amin	<b>Paper ID 133:</b> A Low Cost, Wideband, High Gain Antenna Array For Millimeter Wave Band

<b>Day: 1 Parallel Session A4</b>		
<b>Antennas, Propagation and Radar Systems</b>		
<b>Venue: (Venue: Hall- II)</b>		
<b>Session Chair: Dr. Khalid Awan/ Dr. Ihtesham ul Islam</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
14:30 – 16:30	Abdul Basit, Shadrack Yaw Nusenu, Wasim Khan, Shafqat Ullah Khan, Samad Wali and Muhammad Arshad	<b>Paper ID 163:</b> Adaptive Main Lobe/Sidelobes Controls Selection in FDA based Joint Radar-Communication Design
	Syed Hamza Faisal, Shahryar Saleem, Saleem Shahid and Sarah Saeed	<b>Paper ID 198:</b> 5G Linear Array for Millimeter Wave Mobile Communication in Ultra Dense Networks (UDNs)
	Iftikhar Ahmad, Umair Rafique, Umer Farooq Ahmed and Saif Ur Rehman	<b>Paper ID 210:</b> Multiband Planar Antenna for Cellular and Wireless Applications
	Anum Zulqarnain, Quratul Ain, Ramlah Baber and Dr. Sarah Saeed	<b>Paper ID 216:</b> Square Spiral Micro strip Patch Antenna
	Muhammad Tahir Zarin, Sayed Sabir Shah, Bakhti Rashad and Sadiq Ullah	<b>Paper ID 230:</b> A Hexa Band Antenna Having Frequency Reconfigurable Feature for Portable Devices Communication
	Tayyaba Khan, Ahsan Ahmad Kiayani, Muhammad Zain, Sumrin Mehak Kabir, Asma Ejaz and Yasar Amin	<b>Paper ID 234:</b> Compact Flexible and Wearable AMC Based Antenna for Wireless Body Area Network

<b>Day: 1 Parallel Session A4</b>		
<b>Antennas, Propagation and Radar Systems</b>		
<b>Venue: (Venue: Hall- II)</b>		
<b>Session Chair: Dr. Rabia Riaz/ Dr. Rabiah Badar</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
16:30 – 18:00	Iqra Jabeen, Asma Ejaz, Sumrin Mehak, Adeel Akram, Yasar Amin and Hannu Tenhunen	<b>Paper ID 248:</b> Octagonal Shaped Flexible Chipless RFID Tag for Internet of Things
	Zainab Shahid, Rabeea Basir, Asmara Minhas, Aymen Kazmi, Malja Aslam and Ramshah Ahmad	<b>Paper ID 269:</b> Comparative Performance Analysis of UWB Antenna on Various Substrates
	Tooba Ijaz and Aamer Iqbal Bhatti	<b>Paper ID 271:</b> Comparison of Monopulse and MUSIC estimator for angular parameters
	Aiman Khan and Aamer Iqbal Bhatti	<b>Paper ID 273:</b> Comparison between Kalman Filter and Interacting Multiple Model using 2-D
	Rizwan Ullah, Sadiq Ullah, Babar Kamal and Raza Ullah	<b>Paper ID 329:</b> A Four-Port Multiple Input Multiple Output (MIMO) Antenna for Future 5G Smartphone Applications
	Maham Akhlaq, Hafsa Farooq and Engr. Zahoor Ahmad	<b>Paper ID 330:</b> Performance Analysis of X-Band RADAR in the Presence of Electronic Jammers
	Muhammad Yousaf, Zubair Bashir, Yasar Amin and Adeel Akram	<b>Paper ID 349:</b> A Miniaturized Wideband Implantable Antenna for Telemetry Applications

	Raza Ullah, Sadiq Ullah, Syed Muhammad Umar, Rizwan Ullah and Babar Kamal	<b>Paper ID 371:</b> Design and Modeling of a 28/38/60/70/80 GHz Antenna for Fifth Generation (5G) Mobile and Millimeter Wave (mmW) Applications
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<b>Day: 2 Session A1</b>		
<b>Power Generation and Renewable Energy Systems</b>		
<b>Venue:</b> (Venue: Wali Lounge)		
<b>Session Chair: Prof. Dr. Jamil Ahmad/ Dr. Sheeraz Ahmed</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
10:00 – 11:00	Ubaid Rehman, Tanzeel Rashid, Waqas Nazir Awan, Talal Ahmed, Muhammad Farhan and Mubeen Siddique	<b>Paper ID 115:</b> Technological assessment of bioenergy production through Livestock waste in Azad Jammu and Kashmir (AJK).
	Muhammad Rehan Akhtar, Muhammad Ali Raza, Adnan Abid, Muhammad Usman, Zain Murtaza and Hasan Erteza Gelani	<b>Paper ID 124:</b> Degradation of PhotoVoltaic (PV) Panel Performance due to Shading Effect- Case of Pakistan
	Kamran Alam, Saad Fareed, Abdul Shakoor, Saim Saher, Umar Farooq, Shahbaz Khan and Umair Ahmad	<b>Paper ID 125:</b> Development of anti-reflective and self-cleaning SiO <sub>2</sub> nanoparticles coatings for Solar PV glass
	Muhammad Rashid Ullah, Aimal Daud Khan and Javed Iqbal	<b>Paper ID 129:</b> Optimization of Efficient Copper-Indium-Gallium Di-Selenide Solar Cell

<b>Day: 2 Parallel Session C1</b>		
<b>Mixed Topics</b>		
<b>Venue:</b> (Venue: Hall- I)		
<b>Session Chair: Prof. Kamran Azam</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
11:30 – 13:00	Neelofar Shaukat, Zahid Ullah, Bilal Khan and S. M. Ali	<b>Paper ID 43:</b> An Information Based Waste Management Approach for Pakistan
	Muhammad Sajad, Imran Shafi and Jamil Ahmed	<b>Paper ID 49:</b> Automatic lesion detection in periapical x-rays
	Sohaib Aslam, Yousaf Bukhari, Sundas Hannan, Fawad Nawaz, Faisal Paracha and Munira Batool	<b>Paper ID 136:</b> Performance Analysis of MPC for MIMO system in Presence of hard constraints
	Muhammad Ayaz, Adnan Iftikhar and Irfan Ullah	<b>Paper ID 238:</b> A Compact Design of Composite Right/Left-Handed (CRLH) Metamaterial Based Phase Shifter
	Sabra Shahid, Zara Saddique, Faraz Qayyum and Erum Jamil	<b>Paper ID 302:</b> A Review on Methods of Recycling E-Waste, Implementable in Pakistan
	Ammar Sikander, Adeel Sikander, Asad Ullah Arif, Humna Sikander and Usman Anwar	<b>Paper ID 306:</b> A Modified Approach for Real-Time Taxi Sharing based on City Scale
	Muhammad Abubakar Tariq	<b>Paper ID 409:</b> Exploring Adoption of Integrated Building Information Modelling and Virtual
	Muhammad Adeel and Nauman Zafar Butt	Heterojunction Solar Cell with Selective Contacts

<b>Day: 2 Parallel Session A1</b>		
<b>Power Generation and Renewable Energy Systems</b>		
<b>Venue: (Venue: Hall- I)</b>		
<b>Session Chair: Dr. Atif Ellahi/ Dr. Shaukat Ali</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
14:00 – 15:30	Fayaz Khan, Fawad Ali, Izaz Khan and Javed Iqbal	<b>Paper ID 144:</b> Effect Of Dust On The Power And Efficiency Of Poly Crystalline PV-Cell
	Javed Iqbal, Fawad Ali, Majid Aziz and Muhammad Alam Zaib Khan	<b>Paper ID 145:</b> Effect Of Light Intensity On The Power And Efficiency Of Mono Crystalline Pv-Cell
	Lucky De Marco Yeboh Ngalo, Umair Naeem, Zheng Tao and Rehan Sadiq	<b>Paper ID 146:</b> Low Voltage Ride-Through response under high PV Penetration
	Hassan Zahid Butt, Muhammad Awon and Hassan Abdullah Khalid	<b>Paper ID 162:</b> Single Phase Grid Tied PV System Modeling and Control with Low Voltage Ride Through Capability
	Muhammad Tanveer Riaz, Awais Ahmed, Eman Manzoor Ahmed, Muhammad Abbas Khan, Aurang Zaib and Muhammad Fraz Anwar	<b>Paper ID 166:</b> Steady State Analysis of HVDC Transmission System Based on MATLAB/SIMULINK
	Ahsan Bin Ahmed, Syed Ali Abbas Kazmi, Usama Ameer Khan and Shehzar Shehzad	<b>Paper ID 177:</b> Cleaning Mechanism to improve efficiency and Sustaibility of Desert Solar Plant

<b>Day: 2 Parallel Session A1</b>		
<b>Power Generation and Renewable Energy Systems</b>		
<b>Venue: (Venue: Hall- I)</b>		
<b>Session Chair: Dr. Sana Ullah/Dr. Javed Iqbal</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
15:30 – 17:30	Muhammad Muzaffar Iqbal, Malik Intisar Ali Sajjad, Muhammad Faisal Nadeem Khan, Rehan Liaqat, Muhammad Athar Shah and Hafiz Abdul Muqet	<b>Paper ID 184:</b> Energy Management in Smart Homes with PV Generation, Energy Storage and Home to Grid Energy Exchange
	Muhammad Aaqib Sheikh, Muhammad Junaid Ur Rehman, Hafiz Muhammad Bilal, Muhammad Usman, Muhammad Zeeshan Shabbir and Hasan Erteza Gelani	<b>Paper ID 186:</b> Protection Schemes for Low Voltage DC Networks
	Muhammad Badar Shahid, Muhammad Osama Shahid, Hassan Tariq and Shahryar Saleem	<b>Paper ID 191:</b> Design And Development Of An Efficient Power Theft Detection And Prevention System
	Tariq Kamal, Luis M. Fernández-Ramírez, Murat Karabacak and Syed Zulqadar Hassan	<b>Paper ID 219:</b> Dynamic operation and supervisory control of a photovoltaic/fuel cell/ super-capacitor/battery hybrid renewable energy
	M.Waqar Khan, Shafiullah Khan, Nader Ail Khan, Zakir Ullah, M. Javed Safi, Numan khan, Ghulam Sadiq and shoukat khan	<b>Paper ID 240:</b> Four Stage High Step up DC-DC Interleaved Boost Converter Using Self-lift Technique

Laraib Saeed, Muhammad Yasir Ali Khan, Muhammad Azhar, Jawad Saleem and Abdul Majid	<b>Paper ID 250:</b> A Bidirectional Transformer less DC-DC Bipolar Converter for Renewable DC Power Transmission Network
Usama Ameer Khan, Ahsan Bin Ahmed, Syed Ali Abbas Kazmi and Kashif Imran	<b>Paper ID 256:</b> A comparative study to promote interconnected configuration in microgrid for DG penetration at distribution end
Muhammad Kamran, Shafi Ullah Khan, Rahat Ullah and Sadiq Akbar	<b>Paper ID 259:</b> An FPGA implementation of PWM for DC-DC SEPIC Converter for Wireless Sensor Network
Atif Iqbal, Deng Ying, Adeel Saleem, Muhammad Aftab Hayat and Muhammad Mateen	<b>Paper ID 266:</b> Effectual proposed Pitch Controller of the Wind Turbine for maximal performance
Waqas Ali, Lei Gan, Mohsin Jamil, Haroon Farooq, Ahmad Faraz and Hafiz Owais Ahmad Khan	<b>Paper ID 283:</b> Development of Wind Power Based Micro-Generation Electricity System by Means of Exhaust Fan and its Techno-Economic Evaluation

<b>Day: 2 Session B1</b>		
<b>Neural Networks, Deep Learning and Intelligent Systems</b>		
Venue: (Venue: Hall- I)		
Session Chair: Dr. Jamal Uddin/ Dr. Shafi Ullah		
Time	Speaker Name/Authors	Paper ID/Paper Title
10:00 – 11:00	Rafey Iqbal Rahman, Muhammad Ahmed Arif, Hamza Khalid and Muhammad Umar Arshad	<b>Paper ID 3:</b> Gold Commodity Market Price Prediction via Neural Networks vis-à-vis e-Business Integration
	Suleman Khan, Ehtasham Ahmed, M. Hammad Javed, Syed Asim Ali Shah and Syed Umaid Ali	<b>Paper ID 13:</b> Transfer Learning of a Neural Network Using Deep Learning to Perform Face Recognition
	Awais Ahmed, Muhammad Tanveer Riaz, Ali Raza, Aurang Zaib, Muhammad Azeem Akbar and Muhammad Bilal Sarwar	<b>Paper ID 64:</b> Modeling and simulation of office desk illumination using ZEMAX
	Arsalan Mehmood Khan, Sheryar Mehmood Awan, Muhammad Arif, Zahid Mahmood and Gul Zameen Khan	<b>Paper ID 94:</b> A Robust Segmentation Free License Plate Recognition Method

<b>Day: 2 Parallel Session B3</b>		
<b>Networks Security and Reliability</b>		
Venue: (Venue: Hall- II)		
Session Chair Dr. Shah Nazir/ Dr. Akif Khan		
Time	Speaker Name/Authors	Paper ID/Paper Title
11:30 – 13:00	I. Sami, S. M. Ali, Saqib Nazir, I. Khan, R. Asghar, M. A. Abid, Z. Ullah, B. Khan and C. A. Mehmood	<b>Paper ID 57:</b> Cloud Computing (CC) Centers-A Fast Processing Engine
	Sehrish Tabassam Aqeel and Dr. Habib Shah	<b>Paper ID 89:</b> Social Networks And Digital Security

	Muhammad Junaid Anjum, Imran Raza and Dr. Syed Asad Hussain	<b>Paper ID 113:</b> Real-Time Multipath Transmission Protocol (RMTP): A Software Defined Networks (SDN) based Routing Protocol
	Ashir Javeed, Zhou Shijie, Abdullah Aman Khan and Saifullah Tumrani	<b>Paper ID 164:</b> A robust method for averting attack scenarios in location based services
	Malik Muhammad Sohail, Mehmood Hassan, Khwaja Mansoor, Anwar Ghani and Khwaja Jawad	<b>Paper ID 176:</b> An Improved Authentication Protocol for Global Mobility Network (GLOMONET)
	Muhammad Usman Ashraf, Ayesha Raana and Iqra Ilyas	<b>Paper ID 276:</b> A Roadmap Towards Cyber Crime Causes, Challenges and Prevention
	Muhammad Usman Ashraf, Iqra Ilyas and Farzana Younas	<b>Paper ID 314:</b> A Roadmap: Towards Security Challenges, Prevention Mechanisms for Fog Computing

<b>Day: 2 Parallel Session B1</b>		
<b>Neural Networks, Deep Learning and Intelligent Systems</b>		
Venue: (Venue: Hall- II)		
Session Chair: Dr. Usman Ashraf / Dr. Mudassir Khan		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
14:00 – 15:30	Muhammad Haris, M Badar, Amna Khalid and Anam Fatima	<b>Paper ID 108:</b> Segmentation of Ocular Pathologies Using Deep Convolutional Neural Network
	Mehreen Gul, Abdul Samad, Anayat Ullah, Zulkafil Abbas and Janzaib Masood	<b>Paper ID 138:</b> Concertina Gait Learning for Snake Robot using Artificial Neural Network
	Muhammad Majid Gulzar, Shan Ahmad, Daud Sibtain, Muhammad Iqbal, Yaqoob Javed and Tahir Rizvi	<b>Paper ID 180:</b> Environment Based Optimal Path Planning Realization for Autonomous Agents
	Jawad Rehman, Jamal Uddin, Adnan Khan and Asim Zeb	<b>Paper ID 188:</b> A Cloud based CRM Architecture for Neural Network Inventory Control
	Liaqat Ali, Shafqat Ullah Khan, Muhammad Arshad and Sardar Ali	<b>Paper ID 226:</b> Multi-model Framework for Evaluating Type of Speech Samples having Complementary Information about Parkinson's Disease
	Liaqat Ali, Shafqat Ullah Khan, Muhammad Asif and Muhammad Anwar	<b>Paper ID 229:</b> Early Detection of Heart Disease by Reducing the Time Complexity of the Machine Learning based Predictive Model

<b>Day: 2 Parallel Session B2</b>		
<b>Signal and Image Processing Techniques</b>		
Venue: (Venue: Wali Lounge)		
Session Chair: Dr. Noor Gul/ Dr. Khalil Ullah		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
15:30 – 17:30	Muhammad Amin	<b>Paper ID 70:</b> Nanoplasmonic Quasi Crystal Metascreen Optimized for Efficient Light
	Ateeq Ur Rehman Butt, Rehan Ashraf, Dr. Muhammad Asif, Waqar Ahmad and Saeed Ashraf	<b>Paper ID 102:</b> Computer Aided Diagnosis (CAD) for Segmentation and Classification of Burnt Human skin

Husnain Shahid, Zenghui Zhang, Guilherme Pavelski and Hira Mehreen	<b>Paper ID 119:</b> OFDM Based Range and Doppler Estimation by Multivariate Frequencies
Imtiaz Alam	<b>Paper ID 123:</b> Modeling, Estimation and Experimentation for radio-wave propagation for optimizing Opex and Capex in NG networks
Sohaib Hasan Khan, Dr. Syed Muslim Shah, Dr. Irfan Zafar, Dr. Junaid Shuja and Mohammad Ali Humayun	<b>Paper ID 135:</b> Performance Comparison of Modified Non-Linear FxLMS Algorithm for Impulsive Noise Based on ANCs
Muhammad Umar Khan, Sumair Aziz, Muhammad Bilal and Muhammad Bilal Aamir	<b>Paper ID 171:</b> Classification of EMG Signals for Assessment of Neuromuscular Disorder using Empirical Mode Decomposition and Logistic
Muhammad Awais Rehman, Muhammad Ahmed Raza, Mughees Ahmed, Muhammad Adeel Ijaz, Mafaz Ahmed and Muhammad Habib Mahmood	<b>Paper ID 172:</b> Comparative Analysis of Video stabilization using SIFT Flow and Optical Flow
Ahsan Bin Ahmed, Syed Ali Abbas Kazmi and Tabinda Sarwar	<b>Paper ID 174:</b> LEO Satellites Attitude Control using Image Processing
Maheen Zulfiqar, Fatima Syed, Muhammad Jaleed Khan and Khurram Khurshid	<b>Paper ID 178:</b> Deep Face Recognition for Biometric Authentication
Tassadaq Hussain and Amna Haider	<b>Paper ID 196:</b> An Iris based Smart System for Stress Identification

<b>Day: 2 Session B2</b>		
<b>Signal and Image Processing Techniques</b>		
<b>Venue: (Venue: Hall- II)</b>		
<b>Session Chair: Dr. Muhammad Imtiaz /Dr. Hameed Hussain</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
10:00 – 11:00	Muhammad Zain Ur Rehman, Ehtisham Shahid, Muhammad Sheraz, Wasim Khan and Muhammad Aaqib	<b>Paper ID 201:</b> Eye Monitored Wheel Chair Control
	Ayesha Saeed, Fawad, Muhammad Jamil Khan and Adeel Asghar	<b>Paper ID 249:</b> An Adaptive Pixel-Selection Method based on Block-Complexity Estimation for Quality Enhanced Steganography
	Sania Syed, Habibullah Jamal, Muhammad Ayaz and Syed Riaz Ul Hassnain	<b>Paper ID 252:</b> Investigation of Area-Timing Tradeoff for Merged Delay Transformed Interpolator
	Sidra Bhatti and Aamer Iqbal Bhatti	<b>Paper ID 270:</b> Adaptive measurement noise covariance matrix R for JPDAF based multitarget

<b>Day: 2 Parallel Session B4</b>		
<b>Software Engineering</b>		
<b>Venue: (Venue: Wali Lounge)</b>		
<b>Session Chair: Dr. Niamat Ullah/ Dr. Majid Ali Shah</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
14:00 – 15:30	Muhammad Azeem Akbar, Asfandiyar Khan, Nasrullah Nasrullah, Muhammad Mateen, Ahmad Mateen and Muhammad Tanveer Riaz	<b>Paper ID 132:</b> Factors Influencing Requirements Change Management Process in Offshore Software Development Environment: A Systematic literature review
	Tahir Kamal, Muhammad Azeem Akbar, Muhammad Shafiq, Asfandiyar Khan, Prince Waqas Khan and Muhammad Tanveer Riaz	<b>Paper ID 140:</b> Identification of best practices for agile requirements change management process in outsource agile software development: Initial results
	Tahir Kamal, Azeem Akbar, Muhammad Shafiq, Asfandiyar Khan and Prince Waqas Khan	<b>Paper ID 141:</b> Identification and prioritization of barriers of agile requirements change management process in global software development
	Muhammad Azeem Akbar, Asfandiyar Khan, Muhammad Shafiq, Jawad Ahmad, Faisal Mehmood and Muhammad Tanveer Riaz	<b>Paper ID 150:</b> Challenging Factors of Requirements Change Management in Global Software Development: Organization size base analysis
	Hamidullah, Yasir Ullah and Habib Ullah	<b>Paper ID 296:</b> Design and Simulation of Low Complex Minimum Sum Algorithm Using
	Sikandar Ali, Hongqi Li and Niamat Ullah	<b>Paper ID 303:</b> Critical Influential Factors For Software Testing-as-a-Service Adoption: Findings From Systematic Literature Review

<b>Day: 2 Parallel Session A1</b>		
<b>Power Generation and Renewable Energy Systems</b>		
<b>Venue: (Venue: Wazir House)</b>		
<b>Session Chair: Prof. Dr. Amir Saleem/ Dr. Naveed Saif</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
15:30 – 17:30	Ahmad Raza, Muhammad Tanveer Riaz, Muhammad Idrees, Muhammad Muneeb Afzal, Wajahat Saleem Hashmi and Muhammad Waleed Asif	<b>Paper ID 286:</b> Analysis the effect of 500kv High-Voltage Power Transmission Line on the Output Efficiency of Solar-Panels
	Muhammad Asim Munir, Abraiz Khattak, Kashif Imran, Abasin Ulasyar and Adeel Khan	<b>Paper ID 290:</b> Solar PV Generation Forecast Model Based on the Most Effective Weather Parameters
	Adeel Khan, Abraiz Khattak, Abasin Ulasyar, Kashif Imran and Muhammad Asim Munir	<b>Paper ID 294:</b> Investigation of Archimedean Screw Turbine for optimal power output by varying number of blades
	Umar Jamil, Anzar Mahmood, Adil Amin, Nabeeha Qayyum and Haroon Khan	<b>Paper ID 346:</b> Control Grid Strategies for Reduction of Real & Reactive Line Losses in Radial Power Distribution System

	Diyan Ahmad, Syed Zulqadar Hassan, Amir Zahoor, Tariq Kamal, Tasawar Murtaza, Abdullah Irfan, Ali Abbas and Muhammad Abbas Khan	<b>Paper ID 381:</b> A Bidirectional Wireless Power Transfer for Electric Vehicle Charging in V2G System
	Syed Owais Athar, Bibi Asma Batool, Aliya and Mahain Noor	<b>Paper ID 382:</b> A Comparative Study of Faults in Grid-Tied Inverters and Their Possible Solutions
	Nisar Ahmad, Muhammad Naeem Arbab, Naveed ullah, Muhammad Jamal, Muhammad ilyas and uzair muhammad	<b>Paper ID 383:</b> Design of Optimum Configuration and Technoeconomic Analysis of a Diesel Hybrid Power System
	Asif Rehman, Muhammad Waqas Jabbar, Muhammad Mubeen Khan and Shahid Iqbal	<b>Paper ID 389:</b> Integrated Interleaved Boost Llc Resonant Dc-Dc Converter With Voltage Quadrupler Rectifier Circuit For Pv Power
	Dr. Muhammad Adil Khan	<b>Paper ID 408:</b> An Optimized Off grid Renewable AC/DC mircogrid for Remote Communities of Pakistan
<b>Day: 2 Parallel Session B1</b>		
<b>Neural Networks, Deep Learning and Intelligent Systems</b>		
<b>Venue:</b> (Venue: Hall-II)		
<b>Session Chair: Dr. Kifayat Ullah/ Dr. Muhammad Imran</b>		
<b>Time</b>	<b>Speaker Name/Authors</b>	<b>Paper ID/Paper Title</b>
15:30 – 17:30	Irfan Ullah, Hameed Hussain, Iftikhar Ali and Anum Liaquat	<b>Paper ID 257:</b> Churn Prediction in Banking System using K-Means, LOF, and CBLOF
	Sonam Yar, Shah Khusro, Iftikhar Alam and Dr. Muhammad Taimoor Khan	<b>Paper ID 262:</b> Client-Side Revisitation Support with Contextual and Dynamic Suggestions for the Speed Dial’s Thumbnail
	Muhammad Aftab Hayat, Goutian Yang, Atif Iqbal, Adeel Saleem and Muhammad Mateen	<b>Paper ID 264:</b> The drowning person detection Using Improved VIBE algorithm
	Zahoor Abbas, Rehan Ashraf, Muhammad Asif Habib and Ulfat Imdad	<b>Paper ID 298:</b> Medical Image Classification Using Deep Learning