



| CONFERENCE PROGRAM SCHEDULE | | | |
|--|---|---|---------------------------------------|
| | | Day 1 | |
| | | ptember 10, 2018 | |
| 08:30 - 09:30 | Registration & Guests to be Seated (Venue: Quaid-e-Azam Auditorium) | | |
| | | he Holy Quran (Venue: Quaid-e-A | · · · · · · · · · · · · · · · · · · · |
| 09:00 - 09:10 | | verview/ Welcome Speech: Dr. Sa | |
| | Openin | g Remarks: Prof. Dr. Muhamma | d Amir |
| | | Welcome Speech: | |
| 9:10 – 9:30 | _ | das Naveed Malik, Vice Pesiden | |
| 0.20 00.45 | | hmed Yousif Al-Draiweesh, Pre | |
| 9:30 – 09:45 09:45 – 10:00 | | dress by Chief Guest/Guest of Horks: Prof. Dr. Masoom Yasinzai , | |
| 09.43 - 10.00 | · · | eynote Speaker 1: Dr. Ansar Parv | • |
| 10:00 – 10:30 | | uclear in the Quest for Sustainab | |
| 10.00 10.50 | Role of 14 | (Venue: Quaid-e-Azam Auditorium) | ic Encr ₈ y |
| 10.20 11.20 | Panel Discussi | on on Sustainable Energy Solution | ons in Pakistan |
| 10:30 – 11:30 | | enue: Quaid-e-Azam Auditoriui | |
| 11:30 –12:00 | Tea Break | | |
| () | | note Speaker 2: Prof. Dr. Erol K | |
| 12:00– 12:30 | Chaotic Applications in Engineering | | |
| 100 | (Venue: Quaid-e-Azam Auditorium) | | 1000 |
| 以 | Parallel Session A1 Energy Systems, | Parallel Session A2 | Parallel Session A3 |
| 12:30 – 01:30 | Technology & | Renewable Energy Systems | Mix Topics |
| 12.30 01.30 | Management | and Technologies | (Hall-III) |
| | (Hall-I) | (Hall-II) | (Hull III) |
| 01:30 - 02:30 | | (Venue: Banquet Hall) and Prayer | Break |
| 02:30 - 03:00 | Keynote Speaker 3 | Keynote Speaker 4 | Keynote Speaker 5 |
| | Parallel Session B1 | Parallel Session B2 | |
| Vicinia de la companya della companya della companya de la companya de la companya della company | Energy Systems, | Renewable Energy Systems | Parallel Session B3 |
| 03:00 - 04:00 | Technology & | and Technologies | Mixed Topics |
| | Management | (Hall-II) (cont.) | (Hall-III) (cont.) |
| 04:00 – 04:15 | (Hall-1) (cont.) | | |
| 04.00 - 04.13 | Parallel Session B1 | Tea Break | |
| | Energy Systems, | Parallel Session B2 | Parallel Session B3 |
| 04:15 – 5:55 | Technology & | Renewable Energy Systems | Mixed Topics |
| 01.15 3.33 | Management | and Technologies | (Hall-III) |
| | (Hall-I) | (Hall-II) | |





| Day 2 | | | | |
|---------------|---|---|--|--|
| | September 11, 2018 | | | |
| 08:30 - 09:00 | Re | gistration and Arrival of Particip | pants | |
| 09:00 - 09:30 | | Keynote Speaker 6 | | |
| 09:30 – 11:10 | Parallel Session C1 Ocean Energy & Hydro Power Generation Systems and Technologies (Hall-I) | Parallel Session C2 Renewable Energy Systems and Technologies (Hall-II) | Parallel Session C3 Renewable Energy System - Aspects of Materials and Structures (Hall-III) | |
| 11:10 – 11:30 | | Tea Break | | |
| 11:30 – 12:00 | | Keynote Speaker 7 | | |
| 12:00 – 01:40 | Parallel Session D1 Energy Systems, Technology & Management (Hall-I) | Parallel Session D2 Renewable Energy Systems and Technologies (Hall-II) | Parallel Session D3 Mix Topics (Hall-III) | |
| 01:40 - 02:30 | Lunch | (Venue: Banquet Hall) and Pray | ver Break | |
| 02:30 - 03:00 | Keynote Speaker 8 | Keynote Speaker 9 | Keynote Speaker 10 | |
| 03:00 - 03:30 | Keynote Speaker 11 | Keynote Speaker 12 | Keynote Speaker 13 | |
| 03:30 - 04:30 | Parallel Session E1 Energy Systems, Technology & Management (Hall-I) (cont.) | Parallel Session E2 Renewable Energy Systems and Technologies (Hall-II) (cont.) | Parallel Session E3 Mix Topics (Hall-III) (cont.) | |
| 04:30 - 04:45 | Tea Break | | | |
| 04:45 – 05:45 | Parallel Session E1 Energy Systems, Technology & Management (Hall-I) | Parallel Session E2 Renewable Energy Systems and Technologies (Hall-II) | Parallel Session E3 Mix Topics (Hall-III) | |





| Day 3 | | | |
|--------------------|--|--|---|
| September 12, 2018 | | | |
| 08:30 - 09:00 | Regis | stration and Arrival of Participant | zs . |
| 09:00 - 09:30 | | Keynote Speaker 14 | |
| 09:30 – 11:10 | Parallel Session F1 Nuclear Power Generation Systems and Technologies (Hall-I) | Parallel Session F2 Fossil Fuels Power Generation Systems and Technologies (Hall-II) | Parallel Session F3 Energy Systems, Technology & Management (Hall-III) |
| 11:10 – 11:30 | | Tea Break | |
| 11:30 – 12:00 | Keynote Speaker 15 | Keynote Speaker 16 | Keynote Speaker 17 |
| 12:00 - 01:00 | Parallel Session G1 Nuclear Power Generation Systems and Technologies (Hall-I) | Parallel Session G2 Energy Applications of Nano- Technology (Hall-II) | Parallel Session G3 Energy Systems, Technology & Management (Hall-III) |
| 01:00 - 02:00 | Lunch (V | enue: Banquet Hall) and Prayer I | Break |
| 02:00 - 02:30 | | Keynote Speaker 18 | |
| 02:30 - 03:30 | Parallel Session H1 Renewable Energy Systems and Technologies (Hall-I) | Parallel Session- H2 Mixed Topics (Hall-II) | Parallel Session- H3 Energy Systems, Technology & Management (Hall-III) |
| 03:30 - 03:45 | Tea Break | | |
| 03:45 - 04:30 | Panel Discussion and Closing Ceremony | | |





| | Technical Sessions | |
|----|--|-------------------------------------|
| 1. | Ocean Energy & Hydro Power Generation Systems and Technologies | Session – C1 |
| 2. | Renewable Energy Systems and Technologies | Session – A2, B2, C2, D2, E2, H1 |
| 3. | Renewable Energy System - Aspects of Materials and Structures | Session – C3 |
| 4. | Energy Systems, Technology & Management | Session – A1, B1,D1, E1, F3, G3, H3 |
| 5. | Fossil Fuels Power Generation Systems and Technologies | Session – F2 |
| 6. | Nuclear Power Generation Systems and Technologies | Session – F1, G1 |
| 7. | Energy Applications of Nano-Technology | Session – G2 |
| 8. | Mixed Topics | Session – A3, B3, D3, E3, H2 |







DETAILED PROGRAM DAY 1





| Day 1: September 10, 2018 | | |
|----------------------------------|---|--|
| 08:30 - 09:30 | Registration & Guests to be Seated (Venue: Quaid-e-Azam Auditorium) | |
| | Recitation from the Holy Quran (Venue: Quaid-e-Azam Auditorium) | |
| 09:00 - 09:10 | Conference Overview/ Welcome Speech: Dr. Saeed Badshah | |
| | Opening Remarks: Prof. Dr. Muhammad Amir | |
| | Welcome Speech: | |
| 9:10 – 9:30 | Prof. Dr. Aqdas Naveed Malik, Vice Pesident IIUI (HSR) | |
| | Prof. Dr. Ahmed Yousif Al-Draiweesh, President IIUI | |
| 9:30 – 09:45 | Address by Chief Guest | |
| 09:45 - 10:00 | Vote of Thanks: Prof. Dr. Masoom Yasinzai, Rector, IIUI | |
| | Keynote Speaker 1: Dr. Ansar Parvez | |
| 10:00 - 10:30 | Role of Nuclear in the Quest for Sustainable Energy | |
| | (Venue: Quaid-e-Azam Auditorium) | |
| 10:30 – 11:30 | Panel Discussion on Sustainable Energy Solutions in Pakistan | |
| (Venue: Quaid-e-Azam Auditorium) | | |
| 11:30 –12:00 | Tea Break | |
| | Keynote Speaker 2: Prof. Dr. Erol KURT | |
| 12:00- 12:30 | Chaotic Applications in Engineering | |
| | (Venue: Quaid-e-Azam Auditorium) | |

| | Day:1 Parallel Session A1 Energy Systems, Technology & Management | | | |
|---------------|--|--|--|--|
| | Venue: Hall-I | | | |
| | Session Chair: Dr. Shahid | Maqsood | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | | |
| | Muhammad Usman, Hassan Ahmad Sheikh, Muhammad Zeeshan Wahab, Muhammad Amjad and Muhammad Rizwan | Paper Id 188 Determination of Optimum Insulation Thickness for Different Cities of Pakistan | | |
| 12:30 – 01:30 | Muhammad Shoaib Sarwar, Faizan Ahmed and Muhammad Rizwan Mughal | Paper Id 121 Load Shedding Optimization: A Scenario of IESCO | | |
| La Carrier | Sardar Wasif Ashraf Khan, Aamer Nazir, Rasikh Tariq, Muhammad Aftab Ahmad and Khuram Pervez Amber | Paper Id 44 Thermo-Enviro-Economic Evaluation of an Integrated Absorption Cooling System with Waste Heat of Rotary Cement Kiln Shell | | |





| Day:1 Parallel Session A2 | | | | | |
|---------------------------|--|---|--|--|--|
| | Renewable Energy Systems and Technology | | | | |
| | Venue: Hall-II | | | | |
| | Session Chair: Dr. Suheel Ab | dullah Malik | | | |
| Time | Time Speaker Name/Authors Paper Id/Paper Title | | | | |
| | Waqar Uddin, Kamran Zeb, Zahid | Paper Id 16 | | | |
| | Ullah, Muhammad Adil, Hee Je Kim, | Enhancing the active and reactive Power | | | |
| | Ayesha Tanoli, Aun Haider and Bilal | quality of Doubly Fed Induction | | | |
| | Khan | Generator using Adaptive PI Controller | | | |
| 10 | | Paper Id 18 | | | |
| 12:30 - 01:30 | Ahmad Kamal and Dr. Abdul Basit | High Power Medium Voltage PMSG based | | | |
| 12.00 01.00 | | WECS using Three-Level Boost and | | | |
| A | | Modular Multilevel Converters | | | |
| 41 | Rida Younis, Amina Iqbal, Umer | Paper Id 32 | | | |
| 761 | Farooq, Awais Iqbal, Habib Ullah | Techno-economo-environmental viability | | | |
| (18) | Manzoor, Amir Mehmood and Tareq Manzoor | assessment of Grid-Connected | | | |
| //8/ | | photovoltaic system- A case for different | | | |
| // (1) | | cities of Pakistan | | | |

| | Day:1 Parallel Sessio Mix Topic Venue: Hall-III Session Chair: Dr. Nadee | |
|---------------|---|--|
| Time | Speaker Name/Authors | Paper Id/Paper Title |
| | Ahsan Waqar, Salman Ahmad, Talha Yahya, <i>Babar Hussain and Muhammad</i> <i>Sarwar</i> | Paper Id 179 Protection Coordination Studies of a Distribution Network with Embedded Distributed Generator |
| 12:30 - 01:30 | Mahmoud Hamouda, Laszlo Szamel <i>and</i> Shafi Ullah Qazi | Paper ld 114 Compensation of Switched Reluctance Motor Torque Ripple based on TSF Strategy for Electric Vehicle Applications |
| | Jafar Hussain, Hasan Gelani, Bilal Ahmad, Asad Ali, Sana Rehman and Waseem Arshad | Paper ld 132 Design and Development of EMG Controlled Prosthetics Limb with the Self- Charging Capability |

| 01:30 – 02:30 Lunch (Venue: Banquet Hall) and Prayer B |
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| 02:30 - 03:00 | Keynote Speaker 3: Dr. Muzaffar Ali Integration of Solar Energy Systems with Intelligent Buildings: A Model-based Simulation Approach (Venue: Hall-I) | | | | |
|---------------|--|--|--|--|--|
| | Day:1 Parallel Session B1 Energy Systems, Technology & Management | | | | |
| | Venue: Hall-I Session Chair: Dr. Naseem Iqbal | | | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | | | |
| Ĭ | Ramna Khalid, Saima Shaheen, Aqeel Rehman and Asfa Javed | Paper ld 175 Van de Graaff Generator – A Cost Effective Solution | | | |
| 03:00 - 04:00 | Arjmand Khaliq, Muhammad Amar Zulfiqar and Pemra Sohaib | Paper Id 201 Smart Grid Technology Integration with Smart Phones for Energy Monitoring and Management System | | | |
| | Hasan Erteza Gelani, Faizan Dastgeer, Muhammad Umair, Muhammad Umar, Jafar Hussain and Rao Danyal | Paper Id 129 Uninterruptible Power Supply (UPS) in Pakistan: Effects and Way Forward | | | |

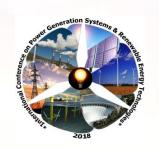
| 02:30 - 03:00 | Keynote Speaker 4: Dr. SYED MUSHTAQ AHMED SHAH | | | |
|---------------------------|---|---|--|--|
| 02:30 - 03:00 | Operational Management of Renewable Distributed Generation (Venue: Hall-II) | | | |
| Day:1 Parallel Session B2 | | | | |
| | Renewable Energy Sys | tems and Technology | | |
| | Venue: 1 | Hall-II | | |
| | Session Chair: D | r. Adnan Umar | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | | |
| 03:00 - 04:00 | Abasin Ulasyar, Haris Sheh Zad and Adil Zohaib | Paper Id 99 Optimal Output Voltage Control of Solar Photovoltaic Power System | | |
| | Umar Maqbool and Umer Amir Khan | Paper Id 233 Wavelet Based Feature Analysis of Fault Signals in a Microgrid | | |
| | Mamoona Khalid, Abdul Kashif Janjua and Hassan Abdullah Khalid | Paper Id 205 Effect of PV Panel Orientation on Batteries in a Solar Generation System | | |





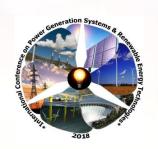
| | Keynote Speaker 5: Prof. Dr. Engr. Muddasar Habib | | |
|---------------|--|---|--|
| 02:30 - 03:00 | Sustainable Resource Recovery for Energy Savings | | |
| | | (Venue: Hall-III | |
| | Day:1 Parallel | Session B3 | |
| | Mix To | opic | |
| | Venue: H | Iall-III | |
| | Session Chair: Dr. | Nadeem Shaikh | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| // | | Paper Id 215 | |
| A | Taqi Ahmad Cheema, Abdul Samad | Experimental Investigation of Various Blade | |
| | Saleem and Rizwanullah . | Configurations of Gravitational Water Vortex | |
| /A | A 14: 1 51: 1 | Turbine (GWVT) | |
| 02.00 04.00 | Angel Asipuela, Ehtasham | Paper Id 138 | |
| 03:00 – 04:00 | Mustafa, Ramy S.A. Afia, Tamus | Electrical Condition Monitoring of Low Voltage | |
| | Zoltan Adam and Muhammad | Nuclear Power Plant Cables: tanδ and | |
| | Yousaf Ali Khan | Capacitance | |
| | Ehtasham Mustafa, Muhammad Yousaf Ali Khan, Nasir Saleem, | Paper Id 29 | |
| | | Modular Multilevel Converter Based HVDC | |
| | Aamir Nawaz and Armaghan Zafar | System Efficiency Evaluation Using Analytical Method | |

04:00-04:15Tea Break



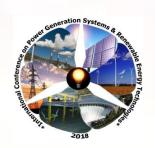


| Day:1 Parallel Session B1 | | | |
|---------------------------|---|--|--|
| | Energy Systems, Technology & Management | | |
| | Venue: Hall-I Session Chair: Dr. Rusta | am Khon | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| Tille | Speaker Name/Authors | Paper Id 76 | |
| Y | Fawad Azeem and Dr. Ghous Bakhsh Narejo | Design and Analysis of Load Switching Mechanism for Islanded Microgrids | |
| 1 | Adil Faroog, Khizer Mehmood, Umair | Paper Id 64 | |
| | Ali, Awais Khan Shinwari, Ashfaq Ur Rehman, Suhail Ahmed and Waseem Iqbal | SCADA based Power Management and Distribution System Prototype for Pakistan Scenario | |
| 04:15 - 5:55 | Leena Aftab and Unza Jamil | Paper Id 174 | |
| | | Integrated Energy Modeling – Present status of Pakistan vs. World | |
| | Muhammad Awais Shahid, Rehan | Paper Id 49 | |
| | Nawaz, Ijaz Mansoor Qureshi and Muhammad Habib Mahmood | Proposed Defense Topology against Cyber Attacks in Smart Grid | |
| | M. Jawad, S. M. Ali, I. Sami, Z. Ullah, U. Farid, B. Khan and C. A. Mehmood | Paper Id 09 Failure Influence Index for Power Transmission Systems | |





| Day:1 Parallel Session B2 | | | |
|---------------------------|---|--|--|
| | Renewable Energy Systems and Technology | | |
| | Venue: H | | |
| Time | Session Chair: Dr. I | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| Ĭ | Bibi Asma Batool, Aliya, Mahain Noor and Syed Owais Athar | Paper Id 185 A Study of Asymmetrical Multilevel Inverter Topologies with Less Number of Devices and Low THD: A Review | |
| M | | Paper Id 195 | |
| | Saima Shaheen, Ali Raza, Ramna Khalid and Asfa Javed | An Adaptive Voltage Droop Control mechanism for Multi-Terminal VSC-HVDC System for Offshore Wind Farms | |
| 04:15 – 5:55 | Mubashar Ahmad, Syed imran Ali, Muhammad aamir and asad waqar | Paper Id 75 Two-Stage Highly Efficient Online Ups with PFC for High Power Application | |
| | Hassan Zahid Butt, Muhammad Awon and Hassan Abdullah Khalid | Paper Id 78 Performance Analysis of a Continuous and Discretized Second Order Generalized Integrator based Phase Lock Loop for Single Phase Grid Connected PV Systems | |
| | Mazhar Abbas, Jonghoon Kim and Inho Cho | Paper Id 171 Investigation and Control of Fuel Cell dynamics in Fuel-Cell Hybrid Railway Propulsion System | |





| Day:1 Parallel Session B3 | | | |
|--|--|---|--|
| Mix Topic | | | |
| Venue: Hall-III Session Chair: Dr. Rafi Ullah | | | |
| Time | | | |
| rime | Speaker Name/Authors | Paper Id/Paper Title | |
| 04:15 – 5:55 | Muhammad Awon, Hassan Zahid Butt, Hassan Abdullah Khalid and Abdul Kashif Janjua | Paper Id 84 System Redundancy Index based Optimized Phasor Measurement Unit Placement for Complete Network Observability. | |
| | H. Shafqat Kharal, R. Ullah, Z. Ullah, R. Asghar, Waqar Uddin, B. Azeem, S. M. Ali, A. Haider and Muhammad Kamran | Paper Id 10 Insulation Characteristic of CCl2F2 with mixtures of CO2/N as a Possible Alternative to SF6 substitute Gas for High Voltage Equipment's | |
| | Salman Tahir and Abdul Khaliq | Paper Id 156 Operation of Microgrid with cascaded Current-Voltage Control of Voltage-sourced Converter based on H-infinity Repetitive Control Strategy | |
| | S. M. Ali, I. Hussain, Z. Ullah, I. Sami, R. Asghar, U. Farid, B. Khan, C. A. Mehmood and A. Haider | Paper Id 04 Need for Mutual Services Interaction Between Smart Grid and Cloud Data Centers | |
| | Usman Hameed, Hassan Abdullah, Husnain Sadiq, Mazhar Ali and Arsalan Habib Khawaja | Paper Id 72 Comparative study of Cascaded H-Bridge Multi level Inverter using different Phase shift PWM Techniques | |
| | Adnan Zaid and Ahmad Mostafa | Paper Id 228 Comparison between Mo Addition to Zinc Aluminum Alloy, ZA22, Grain Refined by Ti and Ti-B after Pressing by the Equal Channel Angular Press, ECAP | |





September 10 12, Islamabaa, Fakistan

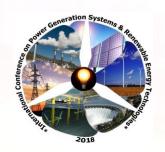
DETAILED PROGRAM DAY 2



| | Day 2: September | 11, 2018 |
|---------------|---|--|
| 09:00 - 09:30 | Keynote Speaker 6: Prof. Bernabé Marí Soucase New materials for third generation photovoltaic devices. From concentration systems to low cost perovskites (Venue: Hall-I) | |
| Oc | Day:2 Parallel Sessi ean Energy & Hydro Power Generation | on C1 |
| | Venue: Hall-I Session Chair: Dr. Farma | |
| Time | Speaker Name/Authors | Paper Id/Paper Title |
| 09:30 – 11:10 | Waqar Uddin, Sadam Hussain, Kamran Zeb, Musaib Aleem Dildar, Zahid Ullah, Ihsan Ullah Khalil, Rahmat Ullah, Muhammad Adil, Aun Haider and Hee Je Kim | Paper Id 20 Energy Scenario and Potential of Hydroelectric Power in Pakistan |
| | Saqlain Abbas, Zulkarnain Abbas, Zubair Butt, Zahid Suleman and Riffat Asim Pasha | Paper Id 50 Aerodynamic study of a self-rectifying impulse turbine based on OWC wave energy prototype |
| | Muhammad Farhan, Shafiq R. Qureshi, Syed Muhammad Tayyab and Mustafa Shahid | Paper Id 65 Ocean Thermal Energy Conversion(OTEC) Feasibility for Coastal Area of Pakistan |
| | Waqar Uddin, Sadam Hussian, Kamran Zeb, Ihsan Ullah Khalil, Zahid Ullah, Musaib Aleem Dildar, Muhammad Adil, Muhammad Ishafq, Imran Khan and Hee Je Kim | Paper Id 163 Effect of Arm Inductor on Harmonic Reduction in Modular Multilevel Converter |
| | Asad Ali, Muftooh Ur Rehman Siddiqi, Riaz Muhammad and Arshad Ali | Paper Id 224 Design and Simulation of an Electro- mechanical Control System for Mini Hydro Power Plants |

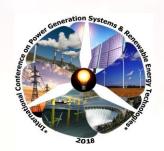


| | Day:2 Parallel Session C2 Renewable Energy Systems and Technology | | | |
|---------------|--|--|--|--|
| | Venue: Hall-II Session Chair: Dr. Ali Nawaz | | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | | |
| ¥ | Iftikhar Ahmad, Ahsan Ayub, Uzair Ibrahim and Mansoor Khan Khattak | Paper Id 122 Data-based Sensing of Composition and Quality of Product in Biodiesel Production | | |
| | Muhammad Irfan, Naeem Abas and Muhammad Shoaib Saleem | Paper ld 118 Net Zero Energy Buildings (NZEB): A Case Study of Net Zero Energy Home in Pakistan | | |
| 09:30 – 11:10 | Hafiz M. Usman Butt, Al-Baraa El- Hag, Abdulla Lutfi, Ahmed Osman and Ahsan Jalal | Paper Id 73 Comparative Study on Control Techniques and Delay Margin Enhancement in LFC System | | |
| | Saif Ul Islam, Kamran Zeb, Waqar Uddin, Muhammad Adil Khan, Imran Khan, Z. Ullah <i>and</i> Hee Je Kim | Paper Id 47 A Novel Design of FRT Strategy and Proportional Resonant Controller for Three Phase Grid connected PV System | | |
| | Syed Muhammad Hasan Askary, Ali Asghar Muzzaffar, Basit Ali, Syed Muhammad Shuja and Muhammad Sadiq | Paper ld 157 Feasibility and Design Analysis for Installation of Micro Hydro Power Turbines in Pakistan | | |



| Day:2 Parallel Session C3 Renewable Energy System - Aspects of Mat & Structures | | |
|---|--|---|
| Venue: Hall-III Session Chair: Dr. Abdul Jalil | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title |
| 09:30 – 11:10 | Areej Fatima, Faisal Khan, Muhammad Afzal Khan and Lutf Ur Rahman | Paper Id 108 Design and Characteristics Investigation of Partitioned Primary Hybrid Excited Linear Flux Switching Machine |
| | Lutf Ur Rahman, Faisal Khan, Areej Fatima and Muhammad Afzal Kha | Paper Id 112 Novel Modular Rotor Single Phase Wound Field Flux Switching Machine |
| | Kamran Alam, Saim Saher, Muhammad Noman, Affaq Qamar and Muhammad Hamayun | Paper Id 70 Superhydrophilic, antifogging and antireflecting nanoparticulate coating for solar PV modules |
| | Himayat Ullah and Baseer Ullah | Paper Id 142 Structural Analysis of a Large Composite Wind Turbine Blade under Extreme Loading |
| | Samreen Siddique, Rashid Wazir, Anam Zahra, Naseem Iqbal, Adeel Javed, Mazhar Ali and Fatima Ilyas | Paper Id 162 Technical and financial analysis for a 50MW wind farm in Pasni, Balochistan |

Tea Break



4th International Conference on Power Generation Systems and Renewable Energy Technologies

September 10-12, Islamabad, Pakistan



11:30 - 12:00

Keynote Speaker 7: Dr. Ahmad Faris Ismail

Heat Transfer Enhancement and Lubrication Properties of CNT-Nanofluids

(Venue: Hall-I)

Day:2 Parallel Session D1
Energy Systems, Technology & Management

Venue: Hall-I

Session Chair: Dr. Alessandro Zanarini

| Session Chair: Dr. Alessandro Zanarini | | |
|--|---|--|
| Time | Speaker Name/Authors | Paper Id/Paper Title |
| 12:00 – 01:40 | Syed Muhammad Sami Ur Rehman, Muhammad Ammar Nazeer, Zafar Iqbal, Muhammad Abdul Basit and Aqeel Ahmed | Paper Id 133 Mathematical Analysis for Calculation of an optimum Tilt Angle of Solar Panels for Islamabad |
| | Muhammad Hassaan Younis and Haroon-Ur-Rashid Khan | Paper ld 17 Energy efficient, peltier based portable cabinet cooling system for vaccine cold chain |
| | Muhammad Abdul Basit, Rabiah Badar and Saad Dilshad | Paper Id 212 Improving the Stability of Power System using Type-II NeuroFuzzy Based Damping Control for HVDC |
| | Hamid Ali, Shafaat Ullah, Irfan Sami, Naseer Ahmad and Faisal Khan | Paper Id 37 Economic Loss Minimization of A Distribution Feeder and Selection of Optimum Conductor for Voltage Profile Improvement |
| | Hafiz Muhammad Bilal Ahmed, Abdul Kashif Janjua and Dr. Muhammad Bilal Khan | Paper Id 161 An elasticity based deterministic study of relationship between factors effecting domestic energy usage in Pakistan |



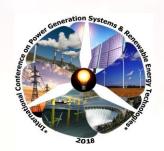


| Day:2 Parallel Session D2 Renewable Energy Systems and technology | | | |
|---|---|--|--|
| | Venue: Hall-II Session Chair: Dr. Hafiz Muhammad Ali | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| 12:00 – 01:40 | Shafiq Qureshi, Muhammad Farhan, Nasir Abbas and Mustafa Shahid | Paper Id 168 Solar Desalination Plant for Pakistani Coastal Area – A Cost and Technical Analysis | |
| | Naveed Ahmed Unar, Muhammad Zakir Shaikh <i>and</i> Bhawani Shankar Chowdhry | Paper Id 234 AN OVERVIEW OF POWER GENERATION POTENTIAL OF PAKISTAN'S WIND ENERGY CORRIDOR | |
| | Faizan Shabir, Muhammad Sultan and Zahid Mahmood Khan | Paper Id 187 Steady-state investigation of adsorption cooling system using water as refrigerant | |
| | M.Haseeb Nawaz, Umer Khan and Anam Zahra | Paper Id 94 Optimal Economic Analysis of Hybrid Off Grid (Standalone) Energy System for Provincial Capitals of Pakistan | |
| | Husnain Sadiq, Syed Ahmed Hassan Raza, Usman Hameed, Dr. Kashif Imranand Abdul Kashif Janjua | Paper Id 66 Impact Analysis of PV Penetration on Radial Distribution Feeder of National University of Science and Technology | |





| Day:2 Parallel Session D3 | | |
|---------------------------|--|--|
| Mix Topic | | |
| Venue: Hall-III | | |
| | Session Chair: Dr. Nase | em Iqbal |
| Time | Speaker Name/Authors | Paper Id/Paper Title |
| | Malik Muhammad Zaid, Muhammad Usama Malik, Muhammad Sibtain and Muhammad Moosa | Paper Id 40 Single and Three Phase Switch Ladder Multilevel Inverter |
| | Tariq Kamal, Murat Karabacak, Luis M Fernández Ramírez, Syed Zulqadar Hassan, Malik Qamar Abbas & Muhammad Abbas Khan | Paper Id 82 Development of hybrid power supply monitoring system based on Lab VIEW and MATLAB |
| | Waseem Ullah, Gulzar Ahmad and Muhammad Kamran | Paper Id 119 A Cost Efficient DC-DC Converter for Wireless Sensor Node |
| 12:00 – 01:40 | Muhammad Tanveer Riaz, Yang Fan, Jawad Ahmad, Muhammad Zeeshan Khan, Muhammad Abbas Khan and Eman Manzoor Ahmed | Paper Id 102 Research on the Protection of Hybrid HVDC System |
| | Yasir Nawaz, Shahid Maqsood <i>and</i> Khawar Naeem. | Paper Id 172 Effect Of Input Parameters Of Wire Electric Discharge Machining On Surface Integrity Of Dc53 Die Steel) |
| | Adnan I. O. Zaid | Paper Id 223 Effect of Molybdenum Addition to Aluminum Grain Refined by Titanium Plus Boron on Its Grain Size and Mechanical Characteristics in the Cast and After Pressing by the Equal Channel Angular Pressing, ECAP, Conditions |
| 01:40 - 02:30 | Lunch (Venue: Ba | nquet Hall) and Prayer Break |





| | Keynote Speaker 8: Dr. Muhammad Sultan |
|---------------|---|
| | Low-cost air-conditioning and cooling systems for various applications in |
| | Pakistan |
| 02:30 - 03:00 | (Venue: Hall-I) |
| | Keynote Speaker 9: Prof. Dr. Musa Yilmaz |
| | (Venue: Hall-II) |
| | Keynote Speaker 10: Dr. Adnan I. O. Zaid |
| | (Venue: Hall-III) |

| Keynote Speaker 11: Dr. Alessandro Zanarini Surface Concept, design, manufacturing, setting up, maintenance: a machine whole life together with advanced technologies in structural dynamics for improving renewable energy systems (Venue: Hall-I) Day:2 Parallel Session E1 Energy Systems, Technology & Management | | | |
|--|--|--|--|
| | Venue: Hall-I | | |
| Time | Session Chair: Dr. Muhammad Sultan | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| | Rifat Ara and Dr. Umer Amir Khan | Paper Id 59 An Alternate Grid-splitting Scheme and Efficient Algorithm for Voltage Source Converter Based Multiterminal DC Grid Protection and Restoration Control | |
| 03:30 – 04:30 | Mazhar Fida and Muhammad Aamir | Paper Id 178 Power Quality Improvement of Single Phase Distribution Feeder Using Hybrid Series Active Power Filters with Sliding Mode Controller. | |
| | Muhammad Awais, Nian Liu, Muhammad Jamshed Abbas, Faisal Mehmood Shah, Abdul Rehman & Sadeq Muhammad Qaid Al-Fakih | Paper Id 42 Distributed Energy Optimization using Consensus Theory Approach | |

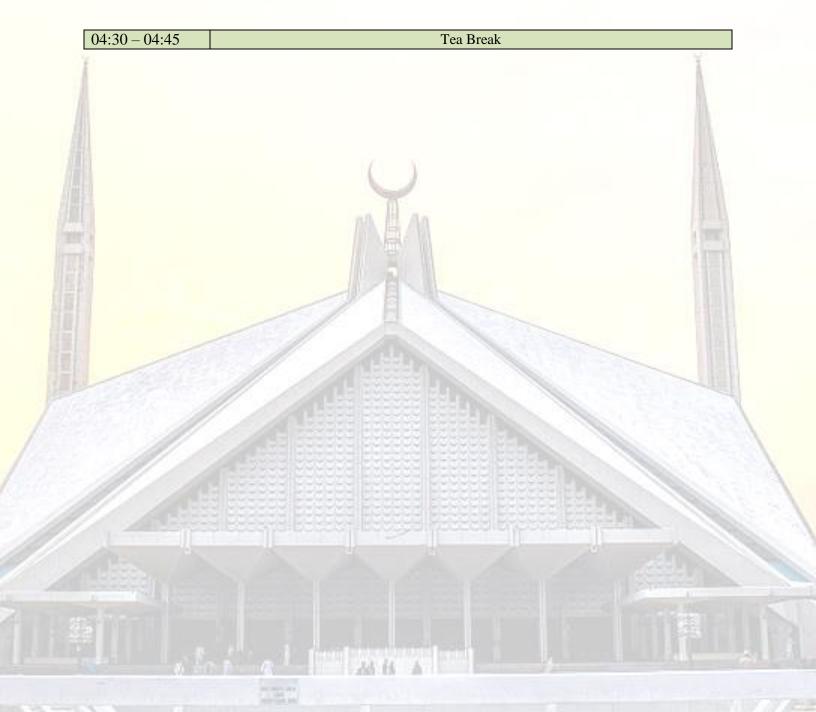


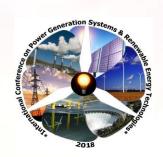
| | Keynote Speaker 12: D | r. Hafiz Muhammad Ali | |
|-----------------------------------|--|--|--|
| 03:00 - 03:30 | Surface Tension Enhanced Condensatio | n on Horizontal Finned Tubes: An Overview | |
| | (Venu | ıe: Hall-II) | |
| | Day:2 Parallel Session | on E2 | |
| | Renewable Energy Systems a | nd technology | |
| | Venue: Hall-II | | |
| Session Chair: Dr. Naveed Ishtiaq | | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| 03:30 – 04:30 | Arbab Haider Ali, Muhammad Atif, Siyal Ahmad, Mashal Khan, Dr. Imran Khan and Haseeb Ahmad Khan | Paper Id 48 OPTIMIZATION OF PEROVSKITE SOLAR CELL USING SCAPS | |
| | Sajjad Durrani, Hazrat Ali, Ali Zahir and Shahid Khan | Paper Id 152 Prototype Designing of Hybrid Power System for Industry with efficient design of Solar Power System | |
| | Adnan I. O. Zaid | Paper Id 218 Utilization of Solar Energy as a Thermal Energy Storage System in Palestine | |

| | Keynote Speaker 13: | | |
|-----------------------------------|---|---|--|
| 03:00 - 03:30 | Dr. Nas | seem Iqbal | |
| | Metal-Organic Frameworks for Renew | vable Energy Applications (Venue: Hall-III) | |
| | Day:2 Parallel Session E3 | | |
| | Mix Topic | | |
| | Venue: Hall-III | | |
| Session Chair: Dr. Muhammad Iqbal | | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| 03:30 - 04:30 | Muhammad Umer Arshad, Muhammad Usman Ghani, Dr. Atta Ullah and Dr. Muhammad Zaman | Paper Id 105 Exergy Analysis and Optimization of Series and Parallel Flow Configurations of Vapor Absorption Chiller | |
| | Amil Daraz, Suheel Abdullah Malik and Altaf Ul Haq | Paper Id 176 Review of Automatic Generation Control For Multi-Source Interconnected Power System Under Deregulated Environment. | |
| | Naseer Ahmad, Faisal Khan and Naveed Ur Rehman | Paper Id 200 Design Consideration of Inner and | |



| | Outer Rotor Flux Switching Machine |
|------------------|--|
| | Paper Id 200 |
| Adnan I. O. Zaid | Effect of Copper Addition at a Rate of 4% Weight on the Microstructure, Mechanical Characteristics, and Surface Roughness on the Hot Extrusion of Aluminum |





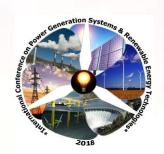
| Day Parallel Session E1 Energy Systems, Technology & Management | | | |
|---|---|---|--|
| Venue: Hall-I Session Chair: Dr. Muhammad Sultan | | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| (| Muhammad Mujahid Rafique, Muhammad Ali Shakir, Imran Zahid and Ghulam Yasin Chohan | Paper Id 15 An Integrated Long-Term Energy Forecasting Approach for Sustainable Energy Mix in Pakistan | |
| 04:45 – 05:45 | Muhammad Waseem, Rizwan Khan, Muaaz Zakria, Shayan Jamal and Sidra Perveen | Paper Id 83 Optimized Cable Sizing – An Economical Approach to Energy Saving with Reduced Power Loss | |
| | Hafeez Ahmad, Dr. Ayaz Ahmad and Sadiq Ahmad | Paper Id 87 Efficient Energy Management in a Microgrid | |





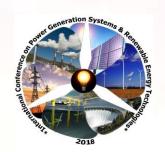
| Day:2 Parallel Session E2 Renewable Energy Systems and technology Venue: Hall-II Session Chair: Dr. Naveed Ishtiaq | | | |
|--|--|--|--|
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| 04:45 – 05:45 | Ali Arham Ali, Muhammad Usman Usman and Muhammad Junaid Junaid | Paper ld 177 Design & Fabrication of Gravity Based Solar Tracker Applied On Scheffler Reflector | |
| | Muhammad Tayyab, Abdur Rafai, Azher Abdul Jabbar, Hamza Ali Khan and Akif Naseem | Paper Id 196 Design & Fabrication of Automatic Indexing Head with a Moving Platform | |
| | Muhammad Ibrahim Rashid <i>and</i> Saadia Andleeb | Paper ld 53 Pyocyanin yield improvement for enhancement of Pseudomonas aeruginosa inoculated Microbial Fuel Cell efficiency | |

| Mix Topic Venue: Hall-III Session Chair: Dr. Muhammad Iqbal | | |
|---|---|---|
| Time | Speaker Name/Authors | Paper Id/Paper Title |
| | Neelam Ramzan, Usama Shakeel, Afşin Güngör and Muhammad Zaman | Paper Id 128 Techno-economic Analysis of Selexol and Sulfinol Processes for Pre-combustion CO2 Capture |
| 04:45 – 05:45 | Sajida Laraib, Qiang Lu, Suhaib Sajid, Zulfiqar Ali and Tahir Iqbal | Paper Id 184 Experimental Study on Ni/γ-AL2O3 and Its Modified Catalysts for Catalytic Steam Reforming of Methane |
| | Shafi Ullah, Hanif Ullah, Amal Bouich, Faisal Baig, Yousaf Hameed Khattak, Miguel Mollar and Bernabé Marí Soucase | Paper Id 206 Hydrothermal synthesis of SnS2 and Sn1- xFexS2 powders |





DETAILED PROGRAM DAY 3



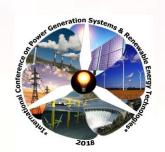


| Day 3: September 12, 2018 | | | |
|---------------------------|---|---|--|
| * | | 14: Dr. Naseem Irfan | |
| 09:00 - 09:30 | * | Coal Fired Power Plants using Selective | |
| | | CR) Technology (Venue: Hall-I) | |
| | Day:3 Parallel Sessio | | |
| | Nuclear Power Generation Systems | s and Technologies | |
| | Venue: Hall-I | ag Ahmad Shah | |
| Time | Session Chair: Dr. Syed Mushta Speaker Name/Authors | 1 | |
| rime | Speaker Name/Authors | Paper Id/Paper Title | |
| | Muhammad Waqas Tariq, Muhammad Sohail and Sikander Majid Mirza | Paper Id 117 Calculation of neutronic parameters using OpenMC for potential dispersed fuels of MNSR | |
| | | Paper Id 120 | |
| | Usama Ahmed, Muhammad Sohail and Muhammad Tariq Siddique | Use of slab fuel geometry in fusion fission hybrid reactor for sub criticality calculations | |
| 09:30 - 11:10 | Rab Nawaz, Shahid Waqas Khan and Kamran Rasheed Qureshi | Paper Id 143 | |
| 09.30 - 11.10 | | CFD Analysis of Passive Autocatalytic Recombiner | |
| | Muhammad Sajjad, Muhammad Rizwan Ali, Muhammad Naveed Ashraf, Rustam Khan and Tasneem Fatima | Paper Id 170 KANUPP Reactor Core Model and its Validation | |
| | Rustam Khan, Muhammad Kashif Khan and Awais Zahur | Paper Id 213 Radiation Shielding Design of PWR Steam Generator | |





| Day:3 Parallel Session F2 Fossil Fuels Power Generation Systems and Technologies | | | |
|--|---|--|--|
| Venue: Hall-II Session Chair: Dr. Muzaffar Ali | | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| 09:30 – 11:10 | Muhammad Bilal and Khurram Imran Khan | Paper Id 136 VALIDATION OF KINETIC MODEL OF NAPHTHA REFORMING REACTOR FOR OPTIMIZATION OF PROCESS | |
| | Rizwan Ahmad, Faisal Khan, Irshad Ullah, Bakhtiar Khan, Shuhab Ahmad and Naseer Ahmad | Paper Id 202 Portable grounding system using Backfill materials | |
| | Ubaid Rehman, Muhammad Shahid Khalil, Tanzeel Ur Rashid and Waqas Nazir Awan | Paper ld 110 Gross Potential of Biomass Products for Energy Generation in Azad jammu and Kashmir. A case study using Bio-IRENA Simulator | |
| | Umer Khan, Muhammad Hassan, Haseeb Nawaz, Rashid Wazir and Mazhar Ali | Paper Id 134 Techno-economic Analysis of PV/Wind/Biomass/Biogas Hybrid System for Remote Area Electrification of Southern Punjab (Multan), Pakistan using HOMER Pro | |
| | Ali Zulfiqar, Lu Qiang, Iqbal Tahir, Laraib Sajida Riffat, Panjwani Manoj Kumar, Arain Zulqarnain, Tahir Muhammad Usman and Asif Muhammad | Paper Id 95 Poisoning effects of P and Zn on commercial NH3-SCR V2O5-MoO3/TiO2 Catalyst | |



| | Day:3 Parallel Session F3 | | |
|---|----------------------------------|---------------------------------------|--|
| Energy Systems, Technology & Management | | | |
| | Venue: Hall-III | | |
| | Session Chair: Dr. Hafiz Mu | hammad Ali | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| | Arif Hussain, Dr. Kafait Ullah, | Paper Id 101 | |
| | Usama Perwez and Muhammad | The Long-term forecast of Gilgit | |
| | Shahid | Baltistan(GB)'s Electricity Demand | |
| | | Paper Id 158 | |
| | Faisal Mehmood Shah, Han | Three-Phase AC-DC Voltage | |
| | Minxiao, Tila Muhammad, Wang | Disturbance Rejection Control | |
| | xxxie and Muhammad Awais | Strategy by Using Inverter Decoupling | |
| | | Topology | |
| | Danial, Muhammad Hassan Khan, | Paper Id 192 | |
| 09:30 – 11:10 | Abdul Moiz Siddiqui, Shehzar | State of The Art Tidal Energy | |
| 05.50 11.10 | Shahzad Sheikhand Syed Owais | Systems: Issues, Challenges, and | |
| | Athar | Possible Solutions | |
| | Abdul Rehman, Nian Liu, Abubakar | Paper Id 207 | |
| | Siddique, Waseem Aslam, Bin Guo | Optimal Scheduling and Multi- | |
| | and Faisal Mehmood Shah | objective Assessment of CCHP system | |
| | | Paper Id 113 | |
| | Sherjeel Baig, Kashif Imran, | Combined Simulation of Auction | |
| | Haseeb Baloch and Nauman | Revenue Rights Allocation and | |
| | Rafique | Financial Transmission Rights Auction | |
| | | for Electricity Markets | |

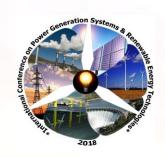
11:10 – 11:30 Tea Break





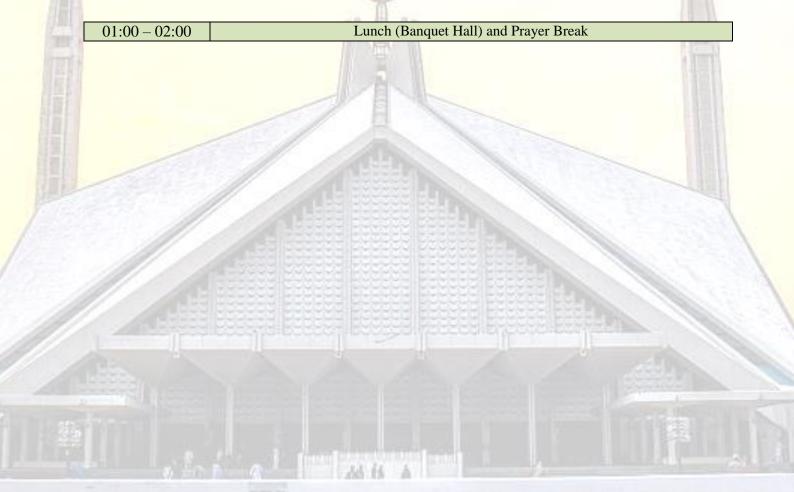
| 11:30 – 12:00 | Keynote Speaker 15: Dr. Syed Farman Ali Shah | | |
|---------------|--|---|--|
| 11.30 12.00 | Policy Implications For Sustainab | le Ethanol Production (Venue: Hall-I) | |
| | Day:3 Parallel Session | on G1 | |
| | Nuclear Power Generation System | ns and Technologies | |
| | Venue: Hall-I | | |
| | Session Chair: Dr. Rusta | am Khan | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| 12:00 – 01:00 | Muhammad Naveed Ashraf, Awais Zahur, Dr. Rustam Khan, Tasneem Fatima, Muhammad Sajjad and Muhammad Rizwan Ali | Paper Id 169 Estimation of Radioactive Waste for Decommissioning of KANUPP-1 Reactor. | |
| | Suhail Ali, Kamran Qureshi, Saira Gulfam, Sarim Ahmed Qamar and Rab Nawaz | Paper Id 230 Safety Assessment of Advanced PWR | |
| | Aziz Haider, Sajjad Tahir, Rustam Khan, Tariq Siddique and Wazir Muhammad | Paper Id 229 Stopping Power and Depth Dose Measurement of Proton and Photons in Water using MCNPX | |

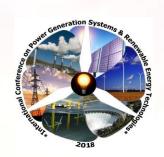
| | THE STATE OF THE S | | |
|------------------------------------|--|---|--|
| | Keynote Speaker 16: Dr. Ali Nawaz Mengal | | |
| 11:30 - 12:00 | 1:30 – 12:00 Nanofluids: Increasing performance in solar collector application | | |
| | (Veni | ue: Hall-II) | |
| | Day: :3 Parallel Sess | sion G2 | |
| | Energy Applications of Na | no-Technolog | |
| | Venue: Hall-I | I | |
| Session Chair: Dr. Muhammad Sultan | | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| 12:00 – 01:00 | Sahar Zafar, M. Awais Amin, Beenish Javaid and Hassan Abdullah Khalid | Paper Id 125 On Design of DC-Link Voltage Controller and PQ Controller for Grid Connected VSC for Microgrid Application | |
| | Jawad Ahmad, Jian Li, Mohsin Hussain, Muhammad Tanveer Riaz, Muhammad Azeem Akbar and Muhammad Zeeshan Khan | Paper Id 219 Study of Physio-chemical Properties of POSS/ Mineral Oil based Nanofluids | |





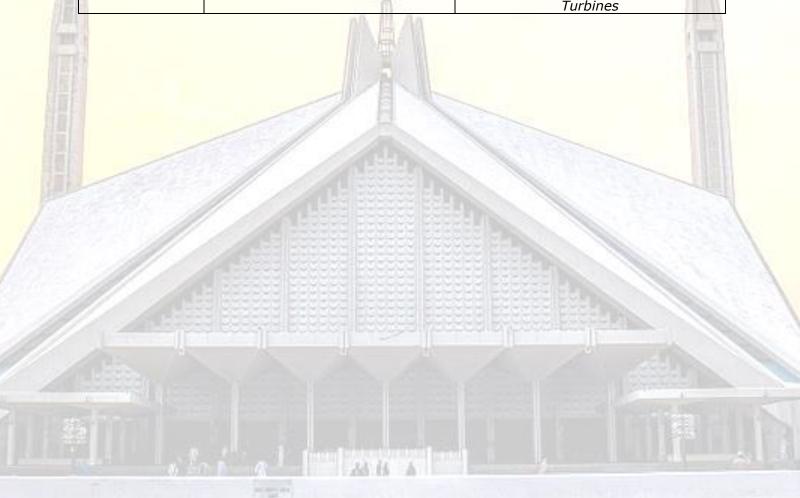
| 11:30 – 12:00 | 0 – 12:00 Keynote Speaker 17: Dr. Abdul Shakoor (Venue: Hall-III) | | | |
|---------------|--|--|--|--|
| | Day:3 Parallel Session G3 | | | |
| | Energy Systems, Technology | & Management | | |
| | Venue: Hall-III | | | |
| | Session Chair: Dr. Ihsa | n ul Haq | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | | |
| 12:00 - 01:00 | Manzar Ahmed, Mishaal Ahmed Ahmed <i>and</i> Ali Aizaz Aizaz | Paper Id 39 decentralized control strategy in microgrid for smart homes | | |
| | Faisal Shahzad, Hassan Erteza Gelani, Haroon Farooq and Waqas Ali | Paper Id 56 Comparative Analysis of AC and DC Distribution System with Respect to Harmonic Distortion Considering Daily Load Profile | | |
| | Noor Ul Hassan, Bahadir Tunaboylu and Muhammad Yasin | Paper Id 63 Development and technological steps for realization of AB-PEM Fuel cell – a step towards clean & sustainable energy solutions | | |







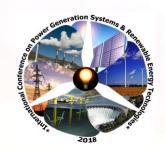
| Day:3 Parallel Session H1 Renewable Energy Systems and technology Venue: Hall-I Session Chair: Dr. Syed Zubair | | | |
|--|--|---|--|
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| | Ayesha Khan and Rabia Khan | Paper Id 34 Cost Optimization of Hybrid Microgrid using Solar PV, Fuel Cell and Diesel Generator in HOMER | |
| 02:30 - 03:30 | Muhamamd Zohaib Hassan Shah, Mirza Tariq Hamayun <i>and</i> Li- Sheng Hu | Paper Id 67 Design & Implementation of a Robust FTC scheme for the Benchmark model of Wind Turbine System | |
| | Şehmus Fidan, Mehmet Cebeci, Ahmet Gündoğdu and Musa Yılmaz | Paper Id 92 A New Single Hidden Layer Neural Network Based Control Of Wind Turbines | |







| Day:3 Parallel Session H2 Mix Topic | | | |
|--|---|---|--|
| Venue: Hall-II Session Chair: Dr. Mohsin Riaz | | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| 02:30 - 03:30 | Bukhtiar Mohsin, Nadeem Shaukat, Ahmad Shaheryar and Siraj-Ul-Islam Ahmad | Paper Id 235 Neutron Energy Spectrum Unfolding using Stochastic Techniques | |
| | Furkan Emre Sahin and <u>Musa Yilmaz</u> | Paper Id 238 Optical Design of Concentrated Photovoltaic Systems with Chromatic Aberration Minimization | |
| | Adnan I. O. Zaid | Paper Id 217 Effect of Mo Addition to ZA22 Alloy Grain Refined by Ti+B on its Metallurgical and Mechanical Characteristics after Pressing by the ECAP Process | |
| | Adnan I. O. Zaid | Paper Id 220 Effect of Molybdenum Addition to Aluminum Grain Refined by Titanium plus Boron on its Mechanical Characteristics, Ductility and Formability | |



03:45 - 04:30

4th International Conference on Power Generation Systems and Renewable Energy Technologies

September 10-12, Islamabad, Pakistan



| 02:00 - 02:30 | Keynote Speaker 18: Dr. Nauman Khurshid Awan Estimating and forecasting renewable energy potential by using advanced nowcasting methods in data scarce region (Venue: Hall-III) | | |
|---|---|---|--|
| Day:3 Parallel Session H3 | | | |
| Energy Systems, Technology & Management Venue: Hall-III | | | |
| Session Chair: Dr. Nauman Khurshid Awan | | | |
| Time | Speaker Name/Authors | Paper Id/Paper Title | |
| 02:30 - 03:30 | Anwar Zeb, Shoaib Ahmad, Azad Haider, Abdul Basit and Muhammad Salman | Paper Id 77 How to Resolve Energy Problems of Pakistan? | |
| | Ayesha Abbasi, Dr. Ijaz Mansoor Qureshi and Dr. Hassan Abduallah | Paper Id 190 An Overview of control strategies with emphasis on demand response for stability and reliability enhancement of Microgrids | |
| | Mohsin Ali Siyal, Viwak Kella, Ahmed Mustafa Memon, Lala Rukh Memon, Arslan Hussain and Nayyar Hussain Mirjat | Paper Id 123 Techno-Economic Analysis of HVDC Transmission Line Project of China- Pakistan Economic Corridor (CPEC) | |
| 03:30 - 03:45 | Tea Break | | |

Panel Discussion and Closing Ceremony