

# **OPENING CEREMONY**

## **INTERNATIONAL CONFERENCE ON ENERGY CONSERVATION AND EFFICIENCY– 2018**

*Energy Conservation – A Smart choice*

*Tuesday 16 October, 2018 | Duration [09:30 – 11:30] Hrs. | Venue: UET, Lahore, Pakistan*

|                    |  |
|--------------------|--|
| [09:00 – 09:30]Hr. | <b>Reception – Guest &amp; Audience</b>  |
| [09:30 – 09:35]Hrs | <b>National Anthem</b>   |
| [09:35 – 09:40]Hrs | <b>Recitation : Holy Quran</b>   |
| [09:40 – 10:10]Hrs | <b>Welcome Notes</b><br><b>Conf. Technical Chair: Dr. Waqar Mehmood, Director, CERAD UET Lahore, Pakistan</b><br><b>Conf. Deputy Convener: Mr. Rao Khalid Ahmad Khan, Managing Director FSK Pvt. Ltd</b><br><b>Conf. Chair: Mr. Farooq Amjad Meer, President FSK Pvt Ltd &amp; NSR Gr. Of Companies.</b><br><b>Conf. Convener : Dr. Fazal Ahmad Khalid, Vice Chancellor UET Lahore, Pakistan</b> |
| [10:10 – 10:20]Hrs | Guest of Honor – Mr. Sadaqat, Member Energy, Planning and Development, Punjab  |
| [10:20 - 10:30]Hrs | Guest of Honor – Ch. Muhammad Akram, Advisor to CM, Punjab   |
| [10:20 - 10:30]Hrs | <b>Plaques Distribution</b>  |
| [10:30 - 10:40]Hrs | <b>Group Photo</b>   |
| [10:40 - 11:05]Hrs | <b>Exhibition Opening</b>  |
| [11:05 – 11:30]Hrs | <b>Refreshment &amp; Networking</b>  |

[DAY – 1]

| <b>SESSION-I[DAY – 1]</b>                 |  |  |
|---|--|--|
| [12:00 - 12:50] Hrs.                      | <b>Energy Usage Pattern(Domestic, Commercial, Offices, Agriculture &amp; Industries)</b><br><i>Tuesday 16 October 2018 / Duration [12:00 – 13:20] Hrs / Venue: UET Main Audi, Lahore, Pakistan</i> |  |
| Session Chair                             | Track – 1A   Venue : Room A  | Track – 2A   Venue : Room B  |
|   | Dr. Asif Nadeem Tabish   | Dr. Asif Hussain   |
| Invited Talk<br>[12:00 - 12:30]Hrs        | <i>The Role of Power Electronics in Providing a Sustainable Energy Supply</i><br>Dr. Saad Mekhilef<br><b>Malaysia</b>  | <i>Scaling up Energy Efficiency in Pakistan through ESCOs</i><br>Saadia Qayyum<br><b>PEECA</b>   |
| Paper Presentations<br>[12:30 - 12:50]Hrs | <b>Paper ID:37</b><br><i>Assessment of Demand Flexibility Potential of Residential Consumers in Pakistan</i><br><b>(Waqas Ur Rehman)</b>   | <b>Paper ID:43</b><br><i>Combustion and Pyrolysis Study of Pakistani Coal, Rice Husk, and Their Blends via Thermogravimetric Analysis</i><br><b>(Tayyab Qureshi)</b> |
|   | <b>Paper ID:25</b><br><i>Application of the Public-Private Partnership Model to Sustainable Irrigation System in Pakistan</i><br><b>(Saif Ur Rehman)</b>   | <b>Paper ID: 71</b><br><i>Energy Efficient Five Phase BLDC Ceiling Fan</i><br><b>(M.Ali)</b>   |
| [13:00 - 14:00] Hrs                       | Lunch & Prayer Break   |  |

[DAY – 1]

| <b>Session-II[DAY – 1]</b>                 |   |  |
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| [14:00 - 16:00]Hrs.                        | <b>Energy Conservation Strategies and Smart Energy Technologies</b><br><i>Tuesday 16 October, 2018   UET Main Audi, Lahore, Pakistan</i>                      |  |
|  | <b>Track – 1B   Venue : Room A</b>  | <b>Track – 2B   Venue : Room B</b>   |
| Invited Talk<br>[14:00 - 14:30]Hrs.        | <i>Energy Efficiency in HVDC</i><br>Shahid Shafi<br><b>NTDC</b>   | <i>Informatics for water efficiency and conservation</i><br>Dr. Abu Bakr<br><b>LUMS</b>  |
| Paper Presentations<br>[14:30 - 14:50]Hrs. | <i>Cost Optimization of Hybrid Microgrid using Solar PV, Fuel Cell and Diesel Generator in Homes</i><br><b>(Paper ID:18: Ayesha Khan)</b>                     | <i>A comparative study of Linear and Nonlinear Control Schemes for AC Induction Machines</i><br><b>(Paper ID:20: Rafique Asghar)</b> |
|  | <i>Performance Analysis of First Grid Connected PV Power Plant in Subtropical Climate of Pakistan</i><br><b>(Paper ID:55: Afshan Qamar)</b>                   | <i>Design and Analysis of Efficient Battery Charging/Discharging for V2g And G2v Application</i><br><b>(Paper ID:59: Ali Rehman)</b> |
| Invited Talks<br>[14:50 - 15:20] Hrs.      | <i>Advance air-conditioning options for agricultural greenhouses for humid and dry climatic conditions of Pakistan</i><br>Dr. Muhammad Sultan<br><b>Japan</b> | Nisar Mohyuddin<br><b>Diamond Foam</b>   |
| [15:20 – 16:00] Hrs.                       | <b>Energy and Environment Roundtable Discussion</b><br><i>Moderator: Mr. Imran Shah</i><br><i>[Venue Manager: Aqeel Muhammad Baber]</i>                       |  |
|  | <i>[Manager - Mr. Farhan Riaz]</i><br><b>Venue: VC Conference Room</b>  |  |
|  | <b>Technical Visit – CERAD KSK &amp; Industrial Visit</b><br><i>[Venue Manager: Aqeel Muhammad Baber]</i>   |  |

[DAY – 2]

| <b>Session-III[DAY – 2]</b>            |  |  |
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| [10:00 - 11:30]Hrs                     | <b>Building Design Feasibilities and Environmental Impact</b><br><i>Wednesday 17 Oct, 2018 / Duration [10:00 – 11:30] Hrs / Venue: UET Main Audi, Lahore, Pakistan</i> |  |
| Session Chair                          | <b>Track – 3A   Venue: Room A</b>  | <b>Track – 4A   Venue : Room B</b>   |
|  |  | Dr. Ghalib Asadullah Shah  |
| Invited Talk<br>[10:00 - 10:30]        | <i>Nonlinear Problems in Piezoelectric Harvesters</i><br>Dr. Erol Kurt<br><b>Turkey</b>  | <i>Efficient use of solar energy for rising crops and fish – New technologies, New Paradigms</i><br>Dr. Minhaj Khokhar<br><b>USA</b>                                   |
| [10:30 – 11:30]<br>Paper Presentations | <i>Structural design of heliostat for solar thermal power plant</i><br><b>(Paper ID:27: Kamran Mehboob)</b>  | <i>Automatic Power Factor Correction for Single Phase Domestic Loads by Means of Arduino Based TRIAC Control of Capacitor Banks</i><br><b>(Paper ID:66: Waqas Ali)</b> |
|  | <i>IoT-Enabled Smart City Waste Management using Machine Learning Analytics</i><br><b>(Paper ID:60: Muhammad Ahmed)</b>  | <i>Design and analysis of tower structure for solar thermal power plant</i><br><b>(Paper ID:28: Kamran Mehboob)</b>  |

[DAY – 2]

| <b>Session-IV[DAY – 2]</b>             |   |  |
|--|---|--|
| [11:30 -14:30]Hrs                      | <b>Funding/Educational Training Opportunities &amp; Collaborations</b><br><i>Wednesday 17 Oct, 2018 / Duration [11:30 – 15:00] Hrs / Venue: UET Main Audi, Lahore, Pakistan</i> |  |
|  | <b>Track – 3B   Venue : Room A</b>  | <b>Track – 4B   Venue : Room B</b>   |
| Invited Talk<br>[11:30 - 12:00]        | <i>Building a cost effective and an efficient power system</i><br>Dr. Faiz Ahmad Chaudhary<br><b>LUMS, Pakistan</b>   | <i>Performance Ratio (System Efficiency) Maximization for Solar PV</i><br>Dr. Hassan Abbas Khan<br><b>Pakistan</b>               |
| [12:00 – 12:10]<br>Paper Presentations | <i>Performance Evaluation of Retrofitting in GCU Lahore and its Scope in Public Institutes of Punjab</i><br><b>(Paper ID:69: Shahzad Ahmed)</b>                                 | <i>Study on Desiccant Air-Conditioning System for Livestock Application in Pakistan</i><br><b>(Paper ID:47: Muhammad Sultan)</b> |
| [12:10 – 12:40]                        | Dr. Akbar Hussain<br><b>Denmark</b>   | Ahmad Hussain<br><b>NEECA</b>  |
| [12:40 – 13:40]                        | <b>Lunch &amp; Prayer Break</b>   |  |
| [13:45 – 14:30]                        | <i>Energy and Environment Panel Discussion</i><br><b>Moderator: Mr. Muhammad Ali&amp; Farhan Raiz</b> [Manager – Dr. Asif Hussain]  |  |

# **CLOSING CEREMONY**

**INTERNATIONAL CONFERENCE ON ENERGY CONSERVATION AND EFFICIENCY– 2018**

*Energy Conservation – A Smart choice*

*Wednesday 17 October, 2018/ Duration [15:00 – 16:15] Hrs / Venue: Transport Department Hall, Lahore, Pakistan*

|                        |   |
|------------------------|---|
| <b>[15:00 - 15:20]</b> | <b>Reception (Guest &amp; Participants)</b> |
| <b>[15:20 - 15:30]</b> | <b>Recitation : Holy Quran</b>              |
| <b>[15:30 - 15:45]</b> | <b>Closing Notes</b>                        |
|                        | <i>Guest of Honor</i>                       |
|                        | <i>Guest of Honor</i>                       |
|                        | <i>Guest of Honor</i>                       |
| <b>[15:45 – 15:50]</b> | <i>Chief Guest</i>                          |
| <b>[15:50 – 15:55]</b> | <b>Plaques Distribution,</b>                |
| <b>[15:55 – 16:00]</b> | Group Photo                                 |
| <b>[16:00 - 16:15]</b> | Refreshment                                 |