

Upto June, 2014

# IEEEP News



The Newsletter of

**THE INSTITUTION OF ELECTRICAL AND  
ELECTRONICS ENGINEERS PAKISTAN**



## THE INSTITUTION OF ELECTRICAL & ELECTRONICS ENGINEERS PAKISTAN

President  
Engr. Tahir Basharat Cheema

Vice President  
Engr. Muhammad Azeem

Vice President (South)  
Engr. S. S. A. Jafri

Hony. Secretary General  
Engr. Prof. Dr. Suhail Aftab Qureshi

Hony. Treasurer  
Engr. Kamran Masood Khan

Hony. Joint Secretary  
Engr. Syed Saleem Akhtar

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**Disseminate Technical  
Knowledge**  
★  
**Conserve Electricity**

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### EDITORIAL

Dear members IEEEEP,

This news-letter covers major activities during four months period from Mar 2014 to June 2014. There was a very important meeting of the Central Council in which the Chief Election Commissioner announced the result of the IEEEEP Elections 2014-2016. It was exciting to know that the elections were smooth and transparent where all the nominated members got elected unopposed. The new Council has already taken up responsibilities as the organizing body of the Institution.

Also in this meeting of the Central Council, the President explained 13 points of IEEEEP Vision 2014-2018. This was discussed in detail to plan a strategy to accomplish our goals.

The Institution organized three CPD seminars through which updated knowledge was disseminated on three topics: "Know Thy Self and Type Testing", "Application of Clean Development Mechanism" and "Hardware and Fitting Design in High Voltage Transmission Lines". These seminars were well-attended and highly appreciated. Some glimpses of these events have been included in this issue to refresh our memories.

It is with a very sad heart that we report the demise of Engr. Chaudhry Javid Akhtar, Former President IEEEEP (1989-1991), Member Power WAPDA and Chairman NEPRA. We would always remember his great initiatives and untiring efforts leading to the construction of the IEEEEP House at Civic Centre, Faisal Town, Lahore. May God bless his soul in heaven . . . . . Ameen!

Engr. Prof. Dr. Suhail Aftab Qureshi  
Hony. Secretary General

**Minutes of 373rd Meeting of The Central Council  
of IEEEEP**



**THE INSTITUTION OF  
ELECTRICAL & ELECTRONICS  
ENGINEERS PAKISTAN**

The 373rd Meeting of the Central Council of IEEEEP was held on 17th May 2014 at 1pm at IEEEEP HQ, 4 Lawrence Road, Lahore.

The list of participants and regrets is attached as Annex-1.

The meeting started with recitation of Holy Quran by Engr. Prof. Dr. Suhail Aftab Qureshi, after which the proceedings started.

**Agenda Item-1: Confirmation of minutes of 372nd Central Council Meeting held on 22nd Feb 14.**

Copies of the minutes were circulated. No observations were received. The house unanimously confirmed the minutes.

**Agenda Item-2: Progress Report of Decisions taken in the 372nd Central Council Meeting.**

- 1) The President required the office to study what the Institutions of UK and India were doing regarding acceptance of new disciplines for their membership.

**Report/Action:** Such information is not available on their web-sites. Therefore, we need to contact them and enquire about such information. We are working on this.

- 2) The Council decided to formally issue letters of appreciation for the HSG and the President for their services and achievements for IEEEEP.

**Report/Action:** There was no time frame mentioned about this action. So, the Manager (A & D) thought it would be better if such letters were awarded in an arranged function like the next AGM. That would surely be a perfect time to hand over such letters or performance awards gracefully. Therefore, the letters are still not prepared. The house agreed to the suggestion of the Manager.

- 3) It was decided that Engr. Arshad Chughtai would talk to Mehran-Hyderabad Local Centre regarding their Nominations because mostly it included all local members. Instead, there was a need to make the Local Centre a larger representative body.

**Report/Action:** Engr. Arshad Chughtai has conveyed the observation of the Central Council to Engr. B. S. Chaudhry, Vice Chairman of Mehran-Hyderabad Local Center. In response, they will include members from other organizations into Nominations for the Council (2014-2016).

**Agenda Item-3: Confirmation of Minutes of 195th Membership Committee Meeting held on 17th May 2014 at 10 am at IEEEEPHQ.**

Copies of Minutes of the 195th Members Committee Meeting were supplied to the Council members. A total of 22 engineers applied for various categories of membership. All were recommended for the applied categories, except two cases which became a debating issue. The HSG explained the issue. One engineer applied for Fellowship, but was not recommended because he was not a member as yet. Engr. S.S.A. Jafri had observation that the Bye-Laws do not require becoming a Member first in order to apply for Fellowship. In a second case, one member applied to be transferred to Fellow. The Committee asked him to present a Paper first and then he would be transferred to category of a Fellow.

Engr. S.S.A. Jafri suggested that the Council should deliberate on these issues and make amendment to the Bye-Laws. Mr. President asked the office to include this in the Agenda for the next Central Council meeting. The issues of the requirement to be a Member before applying for a Fellow and to submit a Paper to be a Fellow will be discussed and resolved by the Council in its next meeting.

**Agenda Item-4: Issuance of Election Notification by Election Commissioner.**

Engr. S.T.H. Naqvi, the Chief Election Commissioner, announced the result of the Elections 2014-2016. He congratulated the new Council especially because it happened first time that all the nominated members got elected unopposed. There was absolutely no challenge to the Nominations.

The HSG thanked the CEC for the hard work that was done for conducting smooth and transparent elections. The Council approved issuance of a special letter of appreciation for the CEC, Engr. S.T.H. Naqvi.

**Agenda Item-5: Discussion Regarding the Date of 35th Convention/AGM.**

The Council discussed various factors for choosing appropriate date for the 35th Convention/AGM. The President emphasized that the Convention/AGM should take place as soon as possible to cover up some of the earlier delay. The event would be delayed further if they start looking for an out of city Chief Guest. The President explained that he would be able to convince the Governor of Punjab to grace the event as Chief Guest and the Federal Minister of Planning, Development and Reforms to be the Guest of Honor. Both the dignitaries have respect for the Institution and engineering activities; therefore, hopefully, they would spare time to grace this event. The President and the Council agreed to hold the Convention/AGM tentatively between 21st and 25th of June, 2014. The finalization of the date will be announced after confirmation from the Governor through the President, Engr. Tahir Basharat Cheema.

**Agenda Item-6: Discussion about IEEEEP Vision 2014-2018.**

An outline of Vision was provided to the Council in matrix form. The President explained the 13 points of the Vision in great detail as follows:-

1. Congratulations! We have received the Declaration for our monthly magazine "The Electrical Engineer". Now we will launch it immediately and continue it on a sustainable basis. This all is the result of hard work of HSG, President and the whole staff of IEEEEP. The sustainability of this monthly magazine was considered as part of the IEEEEP Vision.
2. Top priority would be given in formulating an informative brochure of IEEEEP. It will explain our Vision and strategies to achieve our objectives. Initial outline was prepared by some members but no further work was done. Now we plan to work on it very seriously and produce it as soon as possible.
3. IEEEEP Library will be revived and updated. All members will have easy access to the Library. A complete list of books and literature would be uploaded on IEEEEP web-site. Some of the Council members suggested that an e-library be also set-up.
4. PEC made a requirement for its members to take-up CPD courses every year. Only a few institutions got License to operate CPD programs. Our Institution got the license and Alhamdulillah, we are the best in the country for organizing various CPD programs. We have already prepared a 5-Year plan for our future CPD activities and have forwarded the same to PEC and PSF. We have a Vision to organize one CPD program every month. This is a good way for achieving our main objective of Dissemination of Technical Knowledge. At the same time, the Institution is earning a little bit and also supporting the PEC operations because 20% of the Income goes to PEC.  
  
Engr. Arshad Chughtai pointed out that IEEEEP should have a separate cell to take care of CPD activities so that regular operations of the Institution do not suffer. The Council agreed on that.
5. Provision of Career Opportunities on IEEEEP web-site. We have included this into our Vision and Insha'Allah, we will start working on this soon. All engineering jobs available all over Pakistan in the disciplines of electrical, electronics, mechatronics, avionics and medical engineering will be displayed on our web-site. The Council opined that it needs to take-up matter with the PEC/GoP to ensure that engineering jobs were filled in by professionals alone.
6. Our Vision is to secure funding from PSF on a sustainable basis. We have been receiving funds from them off and on, and now they have asked us to provide to them our next 5-Year Plan. We have already sent to them a detailed matrix for our future activities. Hopefully, we will get regular funding from PSF to run the educational programs of the Institution. This is an important pillar of the IEEEEP Vision.
7. Our Vision is to Re-activate our Local Centres in Islamabad, Multan and Peshawar.
8. We have plans for sharing activities with IE-Bangladesh, IET-India, IEE-UK and IEEE-USA. We have already worked on it and the coming Council will continue the efforts to achieve this. This would have lot of advantages. Like, if we get affiliation with IEEE-USA, all our members will have access to the literature of IEEEEP-USA through our web-site.
9. Our Vision includes partnership with ICT R&D Fund acting as 3rd party evaluator for projects. This is a huge fund to assist various IT Projects initiated by universities, academia, individuals and companies in private and public sectors. ICT R&D needs 3rd party evaluation and certification for funding of every project. If we provide such service to them, this would be a great source of funding for the Institution and also ensure that the IEEEEP membership remains in the know of things.
10. Setting up an Endowment Fund of at least Rs 100 million to support our knowledge dissemination activities, compensate employees, run projects, support projects and give scholarship to students for their educational needs.
11. Engr. Mohsin M. Syed, the President designate for the next Council gave this idea. This place where we are sitting is part of Republic Motors which is owned by a GoP Trust. It is being privatized sooner or later. So, we will have chance to buy this piece of property. If this happens, we would own this HQ building.
12. Finally, our Vision includes purchasing of lands and constructing office buildings for IEEEEP head-quarters at Lahore, Islamabad and Karachi, Insha'Allah.
13. More than 700 scientific magazines and journals are available at HEC. We will try to get access to HEC so that our members can have easy access to all that educational stuff.
14. The purpose of discussing our Vision today was primarily because some further ideas could be included to expand our Vision. We hope that the designated Office Bearers and the next Council would meet and plan a strategy to reach our goals.

**Agenda Item-7: HEC approved "New Horizons" as Category Y Research Journal.**

HEC which is the radiator for higher education has approved the Research Journal of IEEEEP as Category-Y. Earlier, we got ISPN number for our journal to have an international value and now we have category Y which gave our journal national recognition. It is really an achievement. Congratulations! Again, this was the result of efforts of HSG and the IEEEEP staff.

**Agenda Item-8: Discussion on Request made by Non-Corporate Members for possible help regarding their Internship.**

If Council gives permission, we would help them. The President said there was no objection from anyone, so we

would do that.

**Agenda Item-9: Discussion on Attendance of Central Council Members and Replacement by other suitable members.**

There were totally 14 Central Council meetings during the tenure of the sitting Council and we have a record of first 11 of them in matrix form. According to this matrix, the following Council members never attended even one meeting:-

M. Anwar Khalid, Asghar Ali Randhawa, Abrar Ahmed, M. Qasim Khan, Malik Rais Akbar, Ali Sher Naqvi, Asim Raza, Qamar-un-Nisa, Aftab Hussain, Aamir Fayyaz and Prof. Noor M. Sheikh. Engr. Shabbir Hussan Naqvi came once only.

As per Rules, if there is no genuine reason and a member does not attend the Council meeting for consecutive 3 times, he can be replaced. In this matter, we have to be very strict so that the Council stays vibrant and strong. We should replace such members with ones who are really interested to join the meetings and spare time for the institution. For example, Engr. Ejaz Dar is a senior engineer and is very much interested to work for the Institution. Therefore, we should put him in the Council to replace a member who is not interested in the Institution at all. Similarly, the President all recommended Engr. Latif Khan of Peshawar for inclusion in the current Council (for the rest of its tenure). The Council agreed to the suggestion that non-attending members should be replaced in a decent manner.

**Agenda Item-10: Discussion about K-II & K-III Project referred by Pakistan Fisherfolk Forum.**

The Karachi Local Center organized a well-attended "Multi-topic Symposium" in which a panel discussion on K-II & K-III Nuclear Power Station" took place and where the President IEEEEP was the Chairman. This discussion went very good. Since IEEEEP arranged this, so now Pak Fisherfolk Forum has sent us a letter asking for our support. The Council appreciated the KLC's effort, but decided not to take up any action on this letter.

Engr. Mohsin Syed, the designate President for the next Council, said that we should write to the relevant Nuclear Agencies and get their technical advice about this so that whatever we write should be technically correct and it should be in sync with the government.

**Agenda Item-11: Installation of Solar Power System for IEEEEPHQ Building.**

The Institution Head-quarter is facing lot of power problems and UPS issues. Luckily, Engr. Dr. Rana Abdul Jabbar Khan, our designate HSG for the next Council is COO at Quaid-e-Azam Solar Park project. The Council requested him to arrange for a solar power system for the HQ building.

Engr. Dr. Rana Abdul Jabbar Khan has already shown his acceptance to do so. Therefore, once again congratulations!

**Agenda Item-12: Any other item: Account Status of IEEEEP.**

Hony. Treasurer Engr. Kamran Masood Khan gave details of the present accounts' status. He explained that we had two TDR accounts in Bank Alfalah, Faisalabad. 1st TDR of Rs. 10 million at 10.5% rate (with one year maturity) and the 2nd TDR of 3 million at 10.1% rate (with 6 months maturity). He also told that we had two regular Current Accounts where the balances as of 10th May 2014 were as follows: UBL Lahore Rs. 21.6 Lakh and Faysal Bank Lahore Rs. 3.7 Lakh.

Engr. Arshad Chughtai asked how much the Institution was supporting the Local Centres. The Hony. Treasurer told that KLC was totally independent in accounts; but the LLC was independent till Feb 2013; afterwards, on request of LLC, it was merged with the HQ for Salaries. Also the HQ provided them the office space, system and supplies. Here, the Council decided that the audit of the accounts of the Local Centres have to be necessarily got conducted and hence the office may take up the issue under the aegis of the Treasurer but in any case it has to be completed before the up-coming AGM takes place.

The President, Engr. Tahir Basharat Cheema and the Council appreciated the Chairman LLC, Engr. M. Daud for his intellectual input and management skills devoted to the Institution and for arranging very good seminars in 2013-2014.

The meeting ended with a vote of thanks to the chair.

(Engr. Prof. Dr. Suhail Aftab Qureshi)

Hony. Secretary General, IEEEEP.

**Annex-1**

**Participants**

1. Engr. Tahir Basharat Cheema	President (in Chair)
2. Engr. Muhammad Azeem	Vice President
3. Engr. S. S. A. Jafri	Vice President (South)
4. Engr. Prof. Dr. Suhail A. Qureshi	Hony. Secy General
5. Engr. Kamran Masood Khan	Hony. Treasurer
6. Engr. S.T.H. Naqvi	Member
7. Engr. Riaz Ahsan Baig	Member
8. Engr. Irfan Gohar	Member
9. Engr. Muhammad Ashraf	Member
10. Engr. Mohsin M. Syed	Member
11. Engr. M. Anwar Qaseem Qureshi	Member
12. Engr. Dr. Rana Abdul Jabbar	Member
13. Engr. Zafar Ahmad Pirzada	Member
14. Engr. Amer Fayyaz	Member
15. Engr. Anwar-ul-Hassan	Member
16. Engr. Suleman Najib Khan	Member
17. Engr. Arshad Chughtai	Member
18. Engr. Muhammad Daud	Chairman LLC
19. Engr. Obaid-ur-Rahmaan Khan	Chairman KLC
20. Engr. Ahmad Zubair	Secretary KLC

**Regrets**

1. Engr. Muhammad Anwar Khalid
2. Engr. Shafiq A. Siddiqi
3. Engr. Fazal Rahmaan
4. Engr. Ch. Asghar Ali Randhawa
5. Engr. Lt. Col. (R) M. Zaman
6. Engr. Ahmad Saeed Akhtar
7. Engr. Prof. Noor M. Sheikh

## **CPD-8 held on 30<sup>th</sup> April-2014**

### **“Application of Clean Development Mechanism”**

Pakistan was among 154 countries which had signed UNFCCC during the Earth Summit held at Rio de Janeiro (Brazil) in the year 1992. The Protocol was adapted at Kyoto in the year 1997. The countries agreed to reduce the Green House Gases (GHG) emission by 5 % below the level of 1990 during the period 2008-2012. The Protocol became effective on 16th Feb 2005 when 55 countries had ratified it. Pakistan became eligible for the CDM projects with effect from 11 January, 2005.

### **Seminar Resource Persons**

**1. Mr. Atyub Dastgir**

WAPDA environment cell.

**2. Engr. Mumtaz Hussain**

Environmental Assessment Specialist  
Chairman of Environment Media Form.  
Chairman of Society for Conservation of Environment & Sustainable Development.  
Contributor in the local and foreign Journals.  
Chief Editor of “**The Environ Monitor**” (leading environment journal of Pakistan)

**3. Engr. Arshad Chughtai**

**4. Mr. Muhammad Asif**

Head of Chemical and Environment Section.  
KAPCO (Kot Addu Power Company)

**5. Mr. Ifran Yousaf**

· Director CDM/ NAMA & Hydro Power Section in Alternate Energy & Development Board Pakistan.  
Expert of renewable energies rendering service for promotion & development of Renewable Energy.

**6. Syed Aqeel Hussain Jafri**

· Director Policy and Acting Secretary (AEDB).  
· Expert in renewable energies.  
· Engaged in developing policies in alternative and renewable energies for country.

**7. Mr. Ahsan Kamran**

· Director Operation SKP Group.

**8. Engr. Dr. Rana Abdul Jabbar Khan**

· COO, QA Solar Park, Lahore  
HSG IEEEEP

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## **CPD-9 held on 29<sup>th</sup> May-2014**

### **“Hardware & Fitting Design in High Voltage Transmission Lines”**

### **Seminar Resource Person**

**Mr. Farzad Vaseli**

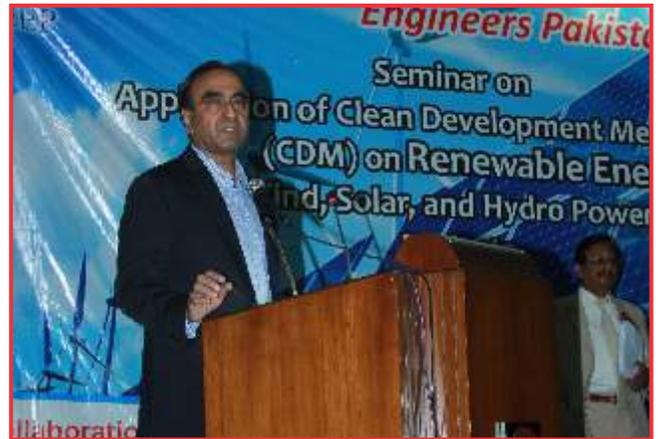
Yaragh Avaran Pooya Engineering Company, Islamic Republic of Iran

# CPD-9 held on 29<sup>th</sup> May-2014

## "Hardware & Fitting Design in High Voltage Transmission Lines"



# CPD-8 held on 30th April-2014 "Application of Clean Development Mechanism"



# CPD-8 held on 30th April-2014 "Application of Clean Development Mechanism"



# CPD-7 held on 26th April-2014 "Know Thy Self" and "Type Testing of Power Panels"



# CPD-7 held on 26th April-2014

## "Know Thy Self" and "Type Testing of Power Panels"

### Workshop Resource Persons

#### 1. Engr. Salis Usman

- \* Knowledge Worker.
- \* IEEE Fellow.
- \* Additional Manager (Technical) NTDC.
- \* Research Fellow (Energy Efficiency), SAARC Energy Centre, Islamabad.

#### 2. Engr. Prof. Dr. Suhail A. Qureshi

- \* Director General, Imperial College of Business Studies.
- \* Professor Electrical Engg Dept., UET.
- \* Honorary Secretary General, IEEEP.
- \* Former Vice Chancellor, USA.
- \* President - FAPUASA (Federation of All Pakistan Universities Academic Staff Association (Punjab Chapter).
- \* President EUECHS (Engineering University Employee Cooperative Housing Society), UET.
- \* President Teaching Staff Association (TSA), UET.
- \* Executive Member, Pakistan Engineering Council (PEC).

### Knowledge Sharing by IEEEP and PEL

IEEEP and Pak Elektron Limited (PEL) have joined hands to organize an interactive workshop under Continuing Professional Development (CPD) Program where 1 Credit Point was also awarded to the Participants. This one-day learning initiative was designed with diversified contents including interactive discussions, sharing of knowledge sources, ice breakers, short stories, video clips, animations, brain teasers, illusions, etc. to ensure participants' interaction, sharing the learning and growing together to contribute and make the difference. In the second part of the workshop, Type Testing of Power Panels was covered for the participants. This was a well-attended workshop that was highly appreciated by the participants. There were interactive discussion and sharing of updated technical knowledge to improve conditions and grow with the latest new techniques on the subject.

### Venue

Pak Elektron Limited (PEL), 14km - Ferozepur Road, Lahore 54760.

### Participants Feedback:

- 1: How to find our hidden talent & how to explore & present ourselves.  
(Engr. H.M. Usman Shafique)
- 2: Good to know many new things knowledge and etc. Enhanced, Valuable & Technical knowledge.  
(Engr. Badar Bashir)
- 3: This program was full of awareness with two balanced topics Theoretical + Practical. This was really helpful in future studies for students like me.  
(Mr. H. Usman Rasheed)
- 4: It was good seminar regarding power sector dynamics. It gave Gain a lot of new techniques and a great scenario about power sector.  
(Engr. Waqar Ahmed)
- 5: Being in CPPA, I literally got benefited from it. But detailed elaboration/reconsidering needs to be done.  
(Engr. Shoaib Mukhtar)
- 6: Certainly it will be helpful regarding my upcoming project of 4320 MW Dasu HPP.  
(Engr. Faisal Shahid)
- 7: Motivation to positive approach and up to date knowledge.  
(Mr. Muneeb-Ur-Rehman)
- 8: The presentation on "Know Thy Self" was interactive; however it wasn't as motivating as it could have been.  
(Engr. Syed Taha Bin Tariq)
- 9: How to judge our behaviors our beliefs and our self-awareness to drive the life to its fullest potential.  
(Mr. Asad Ahmad)
- 10: I learn how to develop our self, check our weakness and remove weakness.  
(Mr. Jehanzaib Albert)
- 11: Everything is possible, Goal must be high. I will set my goals at higher level and clearly set my life objective.  
(Engr. Ahsan Ali)

**Minutes of Handing & Taking Over Ceremony for the Council 2014-2016 of IEEEEP**



**THE INSTITUTION OF  
ELECTRICAL & ELECTRONICS  
ENGINEERS PAKISTAN**

The Handing and Taking Over Ceremony for the Council 2014-2016 of IEEEEP was held on 27th June 2014 at 7pm in the Dome Hall of Royal Palm Golf and Country Club, Lahore.

The list of participants and regrets is attached as **Annex-1**.

The function began with recitation of Holy Quran by Engr. Fazal Rehman.

Engr. Salis Usman was the anchorman for this event. He started the proceedings of the function.

There were six major items in the meeting as explained below:-

**Item-1: Engr. Tahir Basharat Cheema, the President IEEEEP delivered his welcome address.**

The President, Engr. Tahir Basharat Cheema addressed the Handing Over Ceremony. He explained how the Institution of Electrical and Electronics Engineers Pakistan strived and developed progressively since its inception in 1969. It started as a very small organization for Electrical Engineers, but gradually grew up to a member base of around 6,000 at present. The Institution has included new disciplines of Electronics, Mechatronics, Computer Engineering, Avionics and Medical Engineering. It represents over 16,000 Electrical Engineers and almost 35,000 Engineers including other added disciplines.

When President Engr. Cheema and his Council took over the management of the Institution around mid-2011, their first Vision was to build up a proper database of their members to be able to communicate with them effectively. That required a challenging hard work of collecting their addresses, telephone numbers and email details. A continuous untiring struggle was done and a database was prepared. However, the same needs to be further worked upon.

The next goal in their Vision was reviving the local centre in Hyderabad and setting up local centres in Peshawar, Islamabad, and Quetta. The President was happy to report that the local centre in Hyderabad had been revived as the new Mehran-Hyderabad Local Centre with its epi-centre in the Mehran University of Engineering and Technology. He was really thankful to Dr. A.Q.K. Rajput, the former VC and Dr. Aslam Ukaili, the present VC of Mehran University for their hard work in this revival. They provided the Institution full support and the local centre now has a member base of like 300 or so including student members. They have been able to hold 4 functions during the last 6 months, which is a big thing. Karachi Local Center has progressed satisfactorily. But unfortunately, this out-going Council was not able to set up

local centres at Islamabad and Peshawar.

The President also visited Balochistan and Quetta four times. Unfortunately, the member base in Quetta itself was very small and the engineers in Balochistan were scattered around a huge province, so probably for the near future we would not have a local centre at Quetta.

The next challenge for the President was revival of the magazine "The Electrical Engineer" which had become dormant like a decade ago. This was again a big challenge, because the process of getting declaration for a magazine, which could be sold commercially all over Pakistan, was a very tedious job. It took like eight months for the Institution to get this declaration in the name of the HSG, Dr. Suhail Aftab Qureshi. The Institution also has a commercial agreement with Allied Books for distributing this magazine to be sold over newsstands and in bookstores all over Pakistan. This was again a big job, so for this purpose, the President got services of Mr. Nasir Rizvi, a very senior media man from WAPDA. He has been taking care of the publication of this magazine and has already collected lot of footage and commercials enough for three volumes. So, now everything is ready and this magazine would be launched very soon, Insha'Allah. This exciting monthly magazine would be a great contribution to technical resource in the country.

About the research journal of IEEEEP, the President was happy to inform that with the help of HSG, he was able to get the ISBN number for the Journal to be registered in international directory. The team continued its efforts and finally "The New Horizons" was approved by HEC as a Y-Category journal. It surely is exciting news for all engineers that now IEEEEP has a properly recognized Research Journal. Congratulations to everybody on this achievement.

The President was also happy to inform that he was able to get the Institution declared as a Non-Profit Organization and got it tax-exempted by the FBR. The result was that the Institution saved a big amount of money, which is now available for holding more activities for dissemination of technical knowledge.

The President spoke about CPD courses. He explained that Continuing Professional Development was very important for building up the engineering base in Pakistan. IEEEEP was able to get the license from PEC for conducting the CPD programs. Alhamdulillah, we were amongst the foremost for execution of CPD courses. Specifically for this, the President congratulated Dr. Suhail Aftab Qureshi and the whole office staff including the Manager, Assistant Manager and rest of the staff who worked very hard and consequently were able to conduct the programs successfully. In these activities the Institution also earned some money, a portion of which was given to PEC which again is good for the profession and for technical education in Pakistan. But then, of course, there is a need to hold more of these activities for introducing latest techniques in the engineering profession.

The President explained another very important issue. The heads and executives who are not technical are running most of the technical departments in Pakistan. So, our physical

infrastructure is weak including the power sector. Therefore, leaving aside our efforts of dissemination of knowledge to engineering professionals, there is a great obligation for the Institutions like IEEEEP to play a very important role to educate the political governments and the various entities and make them understand that until and unless they utilize technical resource, Pakistan cannot progress. The needed infrastructure cannot be built. Consequently, the next Council will have to carry this burden. And in order to achieve this mission effectively, the President came up with a Vision for the creation of a Federation of Engineering Institutions of Pakistan including IEEEEP, IEP, PEC and similar Institutions from other disciplines. The Presidentship will revolve around those top Institutions based on membership numbers. A Charter of that Federation, working papers and some other Rules and Regulations have already been drafted. President Cheema will hand over that file to the incoming President of the IEEEEP, Engr. Mohsin M. Syed, and he was sure that the Federation would be created soon, Insha'Allah.

The President emphasized that the position of such Institutions like IEEEEP was of extreme importance. In a country that does not have dynamic Institutions would not progress. We have to work very hard, we have to move forward, and we have to serve the country. The president then spoke about the IEEEEP Vision that needed to be followed during the coming years. He further said that the same could act as the blue print for the future and that the same had been crafted as a dynamic document.

**Item-2: Engr. Kamran Masood Khan, Hony. Treasurer, explained the financial condition of IEEEEP.**

Audit for 2013-2014 was still not done, so he gave brief key figures. At this time we have Rs. 13 million fixed deposits in Bank Alfalah, Faisalabad. Out of which Rs. 10 million was fixed at one-year maturity and Rs. 3 million fixed at 6-months maturity. Our running operational account from where we meet our expenses is in UBL, Lahore, in there we have presently almost Rs. 1.55 million. Our main source of Income is our building in Faisal Town, that we have rented to Nespak. Other than that we have some sources of small income. Like for AGM we request for sponsorship and get some money. Sometimes Pak Science Foundation gives us some money. We have profit on our fixed deposits of around Rs. 7-8 lacs every year. In addition to that, we have added a new head of CPD, where we saved Rs. 4-5 lacs this year. Also our expenses have reduced because of Tax-exemption; we used to give approximately Rs. 7 lac as Income Tax, which we will not have to pay from now onwards. We expected some income from the magazine, Electrical Engineer, but it has still not been launched. Our membership has increased, so we got some additional income from that. During the last financial year 2012-13, our expense was Rs. 6.5 million and the Income of the Institute was Rs. 8.1 million. Then in August, the rent from Nespak is also due, so further income will come and our heads would keep on increasing, Insha'Allah.

**Item-3: Engr. Prof. Dr. Suhail Aftab Qureshi, HSG IEEEEP addressed the Councils.**

He explained that the Institution of Electrical & Electronics Engineers Pakistan had been striving for the Dissemination of Technical Knowledge for the benefit of Engineering Community of Pakistan since 1969. The Institution achieved this through frequent Seminars, Workshops, Lectures, Conferences, Symposiums and regular publications including Research Papers and lot of useful informative material for Electrical and Electronics Engineer.

The HSG said that the term 2011-2014 was an era of progress for the Institution. The best thing was that the membership increased considerably and was adding up day-by day. Lot of challenging goals were achieved due to sincere and hard work of the Central Council, Office Bearers and the Staff. Consequently, the Institution got approved as an NPO with Tax Exemption from FBR; got ISSN, the International Registration for our Journal and also got it approved by Higher Education Commission as a Y-Category Journal. Also got Declaration to restart the long dormant magazine, "The Electrical Engineer".

During last 11 months, IEEEEP organized nine "Continuing Professional Development" seminars and workshops under License from Pakistan Engineering Council. Lot of engineers became familiar with the latest technologies to be able to contribute to the development of Pakistan in a better way. Besides dissemination of technical knowledge, these seminars yielded considerable income for the Institution and the PEC.

He said that it was an honour and pleasure to be the Secretary General of IEEEEP. All members were proud for making this entity the best body in the country to assist the engineering sector. The HSG said that he was happy to inform that he had never worked at any forum more than working for this Institution from day one. He also admitted that everything he achieved for the Institution was actually under the guidance of the President, Engr. Tahir Basharat Cheema. He highly appreciated the President's excellent services and quality time that he devoted regularly for the activities of the Institution. He welcomed all Incoming Office Bearers and Central Council Members and hoped that the new Council would make their efforts for the progress of IEEEEP. He also said that his Council was leaving a beautiful gift for the in-coming Council in the form of a VISION, believing that IEEEEP would continue its progress and development at the same pace during the tenure of next Council 2014-2016.

The HSG wished the in-coming President, Engr. Mohsin M. Syed, the Secretary General, Engr. Dr. Rana Abdul Jabbar, the new Council and the present administration all the very best.

Then he announced the names of the new Council and Office Bearers for the term 2014-2016 as included in **Annex-2**.

**Item-4: Awarding of shields and Appreciation Certificates.**

Shields were awarded to the out-going Office Bearers, and Certificates of appreciation were given to President Engr. Tahir Basharat Cheema and HSG Engr. Prof. Dr. Suhail Aftab Qureshi.

**Item-5: Engr. Mohsin M. Syed, in-coming President IEEEEP delivered his message as follows:-**

It gives me great pleasure to take the leadership of IEEEEP, which is an organization of leading professionals in the country. Cheema sahib and his team have done a wonderful job in the last year and they have also assigned us to continue forward with a Vision. Yes of course, but we will bring in some of our own innovations so that we add a little flavour to whatever is being done at the Institution. Of course academic research is a very important element. Our magazines have to become more creative; they should have more depth and knowledge. However, I would like to introduce a slight change and that is that we should get connected to the reality.

The reality today is that this country is suffering from massive load shedding. Is there a solution to this problem? Yes there is. God has gifted us with tremendous amount of solar power. It is a source of energy, which is hardly capitalized in our country; it makes us sweat, but we have not been able to capitalize on its benefits for our society. There are many ways to bring solar energy into our main lifeline. All of us have at least 1 KVA UPS in our homes. I am sure some people have 3 KVA, 10 KVA or 20 KVA UPS in their homes, taking care of all their loads. If we just connect solar panels in all of our homes just enough to charge the batteries that are connected to the UPS; a thousand watts multiplied by a million, we would have a thousand megawatts. So, we are going to use IEEEEP's platform to promote usage of solar energy to cover up some of the energy shortage. I will Insha'Allah lead the process of converting solar energy to useable energy in Pakistan.

Presently, I have another responsibility of constructing Industrial Estates all over Pakistan; so lots of opportunities are available to me at these Industrial Zones. Hundreds of factories need innovation to be introduced in their manufacturing process, in their marketing process and in their HR development process. I will take this as my responsibility to bring electrical and electronics engineers, especially those interested in research and development, in contact with these industrialists. Whether developing small programmable logical controllers, small PLCs or improving accuracy in the manufacturing process; their innovations would bring them to leadership positions of research and development; leading to entrepreneur positions and then the management. Once we galvanize the capability of all electrical, electronics, avionics and other engineers, I am quite sure that many of us will rise to the occasion where the positions of authority will come to us rather than we seeking them. So we have to convert our society of engineers from academics to highly competent deliverable professionals. I would like to seek guidance of my seniors to solve the problems of the country, support the engineers by bring them in R&D and technology management and also create job opportunities for the future engineers who would come out of the universities looking at us for a good future. Thank you.

**Item-6: Dr. Rana Abdul Jabbar Khan, incoming HSG IEEEEP delivered his address as follows:-**

As we all know, the on-going energy crisis in Pakistan is calling us to go for solar as fast as possible for bridging acute supply demand gap. Therefore, the Institution needs to disseminate latest technical knowledge about renewable technologies like solar, wind and biomass etc. Our journal "New Horizons" and the up-coming seminars should focus on latest trends in cited above renewable technologies.

These programs need to be started from IEEEEP platform including the local centres in Karachi, Islamabad, Hyderabad and Lahore. At this time all the solar panels which are being installed, nobody knows about tilt angle, thermal effect and there is no information about the loss level in various parts of this integrated system. If the Institution makes arrangement to assess real time data using automatic weather station and provide that information to users even at a small cost, it would be a great contribution from IEEEEP platform.

We are seeing for the last 6-8 months that a solar flood is coming in Pakistan. The World Bank and other donor agencies also want to help us. We need to know about our real potential in renewable area. We need to start working on it immediately. No doubt Pakistan is situated in best solar zone of the world having more potential than China and Germany.

Presently, I am working for QA Solar Park project; the first phase is going towards implementation, and the government has told us to prepare for the 2nd and 3rd phases quickly. I would like to request, Mian Sultan Mehmood, member executive council to provide a small solar station at IEEEEP HQ office as he is dealing in this business. It is not a big load, I think maybe 3-5 kW, and we must have a small backup station here. Hopefully, we would get it soon.

Thanks to all of you who have come here today at this handing and taking over ceremony. I especially want to thank our Engineers Tahir Basharat Cheema and Prof. Dr. Suhail Aftab Qureshi for their marvelous contributions to this Institution. But I am happy to inform that they are still here with us, only their positions have changed, they will continue to be active members in our new Council. We clearly understand that it is now our turn to sincerely strive for this Institution to make it comparable with such national and international organizations, Insha'Allah.

**Item-7: Dinner was served.**

(Engr. Dr. Rana Abdul Jabbar Khan)  
Hony. Secretary General, IEEEEP

**ELECTED CENTRAL COUNCIL 2014-2016****(A) OFFICE BEARERS**

1.	President	Engr. Mohsin M. Syed	(F-360)
2.	Vice President (HQ)	Engr. Suleman Najeeb Khan	(F-321)
3.	Vice President (South)	Engr. Tahir Saleem	(F-284)
4.	Honorary Secretary General	Engr. Dr. Rana Abdul Jabbar Khan	(F-379)
5.	Honorary Treasurer	Engr. Kamran Masood Khan	(M-1018)
6.	Honorary Joint Secretary	Engr. M. Anwar Qaseem Qureshi	(F-370)

**(B) FOUNDER/SENIOR FELLOWS (3)**

1.	Engr. Shafiq A. Siddiqi	(F-6)	3.	Engr. Fazal Rahmaan	(F-223)
2.	Engr. Ch. Asghar Ali Randhawa	(F-295)			

**(C) FELLOW MEMBER (10)**

1.	Engr. Rana Anwar-ul-Hassan Khan	(F-280)	6.	Engr. Lt. Col. (Retd) M. Zaman	(F-334)
2.	Engr. Syed Khalid Sajjad	(F-287)	7.	Engr. M. Anwar Khalid	(F-335)
3.	Engr. Muhammad Ashraf	(F-299)	8.	Engr. Riaz Ahsan Baig	(F-343)
4.	Engr. S. T.H. Naqvi	(F-320)	9.	Engr. Arshad Chughtai	(F-345)
5.	Engr. Prof. Dr. Suhail Aftab Qureshi	(F-329)	10.	Engr. Muhammad Daud	(F-355)

**(D) MEMBERS (12)**

1.	Engr. Lt. Col. Muhammad Rafique	(M-140)	7.	Engr. Husnain Raza Mirza	(M-844)
2.	Engr. Yahya Kamal		8.	En gr. Khalid Parvaiz Butt	(M-980)
3.	Engr. Masood Ahmed Sheikh	(M-339)	9.	Engr. Lubna Kausar	(M-997)
4.	Engr. Mirza Yaqoob Baid	(M-422)	10.	Engr. Zafar Ahmad Pirzada	(M-1034)
5.	Engr. Muhammad Azeem	(M-477)	11.	Engr. Tahir Mahmood	(M-1039)
6.	Engr. Mian Sultan Mahmood	(M-709)	12.	Engr. Ahmed Abu Bakar	

**(E) ASSOCIATE MEMBERS (8)**

1.	Engr. Shahid Hussain Gardezi	(AM-188)	5.	Engr. Sohail Mumtaz Bajwa	(AM 1291)
2.	Engr. Mamoona Shaheen	(AM-1203)	6.	Engr. Salman Aizad	(AM-1292)
3.	Engr. S.M. Dawood Abbas Naqvi	(AM-1241)	7.	Engr. Muhammad Hussain Ejaz	(AM-1353)
4.	Engr. Zia Mohy-ud-Din	(AM-1272)	8.	Engr. Ibrahim Mumtaz Mufti	(AM-1364)

## Time-Line for Papers Processing for IEEEEP Quarterly Journal "New Horizons"



## CALL FOR RESEARCH PAPERS FOR "NEW HORIZON"

Research Papers from engineers in the Disciplines of Electrical, Electronics (Including Information Technology and Telecommunications), Controls, Mechatronics, Avionics, Computers and Medical Engineering are invited for publication in "New Horizons", HEC recognized Y-Category, quarterly research journal of the Institution of Electrical & Electronics Engineers Pakistan. A soft copy of the paper may please be sent to [ieeep1969@gmail.com](mailto:ieeep1969@gmail.com) or [info@ieeep.org.pk](mailto:info@ieeep.org.pk) in the following format:-

1. The research paper should be prepared in MS Word Software in Two-Column Format.
2. Select A-4 size, 1 inch margins on all four sides, 1.0 line spacing, Times New Roman Font with size 12 and justification on both sides.
3. All headings should be in capital bold letters.
4. All figures and diagrams must be properly numbered and labeled.
5. All diagrams, tables, graphs and photographs must be in Black & White.
6. All text within diagrams must be bold enough for readable clarity.
7. The papers must not contain more than 6 pages.
8. Complete references must be provided at the end of the paper.
9. The format to be followed for all references is given below:

N.E. Nilsson and J. Mercurio "Synchronous generator capability curve testing and evaluation" IEEE. Trans. Power. Del., Vol: 9, no:1, pp 414. 424, Jan 1994.

PLEASE NOTE: You are requested to provide a brief Resume of yourself and of the co-authors (if any) alongwith the paper(s). Also please provide contact numbers and email addresses of all authors. Kindly note that papers/material as PDF Files will not be accepted.