

ACTIVITY REPORT OF ASHRAE NPC & Pakistan HVACR Society Islamabad Chapter 2017-18

INSTALLATION CEREMONY & Celebration of Mr. Farooq Mehboob for becoming ASHRAE Vice President

During last year's election Mr. Ahmad Nawaz was elected as President Elect & automatically became President of ASHRAE Northern Pakistan Chapter for the year 2017-18 as per Society Bylaws. In June 2017. The Event Sponsored by M/s HS Ahmed Allay, M/s A.H International, M/s Haier, M/s Orient Energy System, M/s Kaaf Engineers & Contractor, M/s Tariq Automation, M/s Structivo pvt. Ltd & GTS, M/s Captive Aire, M/s DWP, M/s NEC, M/s Green Technology. Based on the election results, ASHRAE NPC held its 13th officer installation ceremony on 15th Sep, 2018 at Serena Hotel, Islamabad. This gracious ceremony was attended by over 160 members, families and friends, being the biggest ever. Mr. Farooq Mehboob, Dr. Ahmed Alaa honored the ceremony as chief guest & presented the shields to the outgoing BOG and Officers.

Later he conducted the oath ceremony and following officers (2018-2019) were installed.

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| 1. Mr. Ahmad Nawaz | President |
| 2. Ch. Nadeem A. Rauf | President Elect |
| 3. Mian Arif Hussain | Vice President |
| 4. Mr. Usman Tariq Chughtai | Secretary |
| 5. Mr. Bilal Zuberi | Treasurer |
| 6. Mr. M. Riaz Baig | Member Board of Governor |
| 7. Mr. Mohammad Nadeem Zuberi | Member Board of Governor |
| 8. Mr. Ather N. Siddiqui | Member Board of Governor |
| 9. Engr. Taj M. Rizvi | Member Board of Governor |

Later Dr. Ahmed Alla presented a Hammer to the Newly Elected president Mr. Ahmad Nawaz. Mr. Ahmad Nawaz presented shield to the Chief Guest Mr. Farooq Mehboob and Dr. Ahmed Alaa and Sponsors. Glimpses are given below;



All Pakistan ASHRAE Chapters Meeting hosted by ASHRAE NPC

ASHRAE NPC hosted All Pakistan ASHRAE Chapters meeting on Sep 15, 2018. Where all ASHRAE Pakistan Chapter Members participated. It a very good platform for all chapter to discuss their difficulties to run ASHRAE Chapters. Mr. Farooq Mehboob, Miss Adeeba Mehboob, & Dr. Ahmed Alaa was the honorable chief Guest. Mr. Khurram R. Malick Coordinator of all ASHRAE Pakistan Chapter were also present. The meeting was attended by over 100 members of all over Pakistan. ASHRAE Pakistan Chapter, ASHRAE Northern Pakistan Chapter, ASHRAE Central Pakistan Chapter & ASHRAE Faisalabad Chapter. This is the platform provided by ASHRAE Northern Pakistan Chapter to meet & greet with all ASHRAE Chapters and coordination between them. Glimpses are below there;



ASHRAE NPC & Islamabad Chapter Meetings



CRC 2018 ANTALYA TURKEY

ASHRAE NPC Office bearers and BOG's attended CRC at sharm el sheikh Egypt. Mr. Ahmad Nawaz Delegate and Ch. Nadeem A. Rauf as Alternate attended the CRC 2018. Mr. Usman Tariq as CCTC Mr. Masood Sadiq as RP Chair & Mr. Ather N. Siddiqui as Student activity chair attended CRC. ASHRAE NPC Received several awards like Student Activity Chair, historian award etc. The chapter officers attended meetings and workshops with very keen interest.



TECHNICAL SEMINARS

How to perform computerized cooling load Calculations

On January 23, 2018, ASHRAE NPC/HVACR ISB Chapter jointly organized a short technical Seminar at Society Office. Mr. Mohammad Riaz Baig (Past President ASHRAE) was the Chief Guest of the Seminar. Mr. Mohammad Faheem Shahbaz Presented the topic “How to perform computerized cooling load Calculations” through slides and “hands on” using project and White board. This Seminar was attended by over 25 young Engineers. This is a very good sign that young Engineers are taking much interest in ASHRAE. The Course attendees were served with Hi-Tea. At the end participants were conferred upon course completion certificate with 0.5 CPD point to who are registered in Pakistan Engineering Council.



Variable Primary Flow Chilled Water Systems & Integrating Indoor Air Quality and Energy Efficiency in Buildings

On May 10, 2018 ASHRAE NPC and Pakistan HVACR Society Islamabad Chapter hosted a visit of Mr. William Bahnfleth, a distinguished Lecturer from ASHRAE HQ (USA) and arranged a technical Seminar at Islamabad Hotel Islamabad. Mr. William Bahnfleth delivered two presentations:

- 1: Variable Primary Flow Chilled Water Systems
- 2: Integrating Indoor Air Quality and Energy Efficiency in Buildings

ST Associates was the main sponsor while some other regional HVACR prominent companies sponsored the event and displayed their banners. Seminar was attended by over 60 persons. Mr. Umari Mughal was the host of the Seminar. Mr. Khurram R. Malick, Mr. Abbas Sajid, Mr. Fahim A Khan Mr. Taj Muhammad Rizvi was the Chief Guest. After the Seminar very next day Mr. Ather N. Siddiqui, Mr. Usman Tariq Chughtai and other BOG's escorted Mr. William Bahnfleth to CUST University Islamabad, where Mr. William Bahnfleth shared his experience with student about Variable Primary Flow Chilled Water Systems & Integrating Indoor Air Quality and Energy Efficiency in Buildings. Over 70 students were engaged in his presentation. CUST appreciated the visit and requested the chapter to arrange similar visits in future too. Lastly Mr. Usman Tariq Chughtai & Mr. Ather N. Siddiqui went to Monal (heart of Margallah Hills) for Dinner.





WORKSHOP ON UNDERSTANDING AIR CONDITIONING PROCESS THROUGH PSYCHOMETRIC CHART

On Nov 13, 2018, ASHRAE NPC/HVACR ISB Chapter jointly organized a short technical Seminar at Society Office. Mr. Mohammad Riaz Baig Presented the topic workshop on understanding air conditioning process through psychometrics chart through slides and “hands on” using projectand White board. This Seminar was attended by over 25 young Engineers. This is a very good sign that young Engineers are taking much interest in ASHRAE. The Course attendees were served with Hi-Tea. At the end participants were conferred upon course completion certificate with 0.5 CPD point to who are registered in Pakistan Engineering



TECHNICAL SEMINAR ON CLEAN ROOMS AND HVAC SYSTEMS DESIGN FUNDAMENTALS & HVAC SYSTEMS DESIGN FOR AIRBORNE INFECTION CONTROL SPACES IN HEALTHCARE FACILITIES

On Dec 13, 2018, ASHRAE NPC/HVACR ISB Chapter jointly organized a short technical Seminar at Islamabad Hotel. Mr. Wei Sun ASHRAE DL (USA) Presented the topic workshop on CLEAN ROOMS AND HVAC SYSTEMS DESIGN FUNDAMENTALS & HVAC SYSTEMS DESIGN FOR AIRBORNE INFECTION CONTROL SPACES IN HEALTHCARE FACILITIES “hands on” using project. This Seminar was attended by over 60 young Engineers & Professionals. This is a very good sign that young Engineers are taking much interest in ASHRAE. The Course attendees were served with Hi-Tea. At the end participants were conferred upon course completion certificate with 0.5 CPD point to who are registered in Pakistan Engineering



25th International Expo & Conference at Islamabad at Jinnah convention Center

25th Expo & Conference was held at Jinnah Convention Center Islamabad. Which was lead by Mr. M. Riaz Baig (Convener Conference & BOG) and Engr. Taj M. Rizvi (President ASHRAE NPC) Where national & International DL Participated and Presented the below given topics;

- 1.CO2 as Refrigerant by Mr. Roberto Aquilo, from Argentina, an ASHRAE DL
- 2.Energy Efficiency Aspects of Cooling Technology by Mr. HE Can from Gree, China.
- 3.TICA's roadmap of new environmentally friendly alternative refrigerants by Mr. LUJUN LIANG
- 4.Energy Efficiency framework in Pakistan by Engr. Asad Mehmood from NEECA
- 5.Refrigeration process in food industry Mr. Roberto Augilo, Argentina, an ASHRAE DL
- 6.Building commissioning by Prof. Dr. Walter Grondzik, ASHRAE DL, USA
- 7.Making Buildings smarter to maintain their energy efficiency entitlement by Mr. Gordon Sharp, ASHRAE DL USA
- 8.Effect of Glazing on energy consumption for buildings by Prof. Dr. Sabahat UET, Lahore.
- 9.Healthy, Airside solutions to significantly reduce building's carbon footprint by Mr. Gordon Sharp, an ASHRAE DL
- 10.Building design and materials for reduced energy use by Prof. Dr. Walter Grondzik
- 11.Ice thermal Storage System by Engr. Muhammad Saghir
- 12.Healthcare Energy Efficiency, HVAC Architectural Model by Prof. Dr. Javeria Karachi.
- 13.9 Dynamics of Net metering by Mr. Rasheed Ramey, Islamabad.

This Conference was attended by over 3500 Engineers and professional. This is a very good sign that young Engineers & Professionals are taking much interest in ASHRAE. The Conference attendees were served with Lunch & Hi-Tea. At the end participants were conferred upon course completion certificate with 0.5 CPD point to who are registered in Pakistan Engineering Council. Four ASHRAE DI's attended the conference in addition to local dignitaries. Mr Farooq Mehboob DRC ASHRAE RAL also graced the conference. This conference provided an excellent opportunity for peer networking.



STUDENT ACTIVITY

HVACR Equipments Donation Given Ceremony to GCT Rawalpindi From HVACR Society Members



GCT Rawalpindi Students visiting the HVAC Plant Room of UBL Tower Islamabad



Prize Distribution Ceremony of GCT Taxila



GKI Students Visiting Hvacr Plant Room Of Centaurus



Students From Architectural Department Comsats Islamabad Visiting Islamabad Club

