

PROGRAMME

24th October, 2017 (Tuesday)

| Event | Time (Hours) |
|--|-----------------|
| Registration | 0830 – 0900 |
| Recitation from Holy Quran | 0900 – 0905 |
| Opening Remarks | 0905– 0915 |
| Water Quality Sources & Issues | 0915 - 1030 |
| Tea Break | 1030 – 1100 |
| Pre treatment or Simpel Treatment | 1100-1130 |
| Coagulation/Flocculation/Sedimentation | 11:30-12:30 |
| Lunch/Prayer Break | 1230 – 1400 |
| R/F and SS Filtration | 1400 –1430 |
| RR Filtration & Membranes | 1430 - 1500 |
| Disinfection | 1500 - 1530 |
| Closing/Tea | 1530 - 1600 |



University of Engineering and Technology,
Lahore, Pakistan.



Continuing Professional Development
(CPD)

A Seminar on

Water Treatment Technologies for Developing Countries

(One CPD Credit Point)



Tuesday 24th October 2017

At

KICS Auditorium, UET Lahore

Resource Person (s)

Dr. Zahiruddin Khan, Associate Prof.
Dr Sajjad Haider Sheikh, Professor
Engr. Ghulam Hussain, A/Professor

Instt. of Environmental Engineering &
Research
UET, Lahore.

PURPOSE AND BACKGROUND

Water is one of the most essential needs for life sustenance. Safe drinking water is not available to most residents of Punjab especially those living in rural areas. Number of hospital beds ridden by water related patients are rising everyday. There is a dire need to explore cost effective methods of water treatment and supply to save lives and promote economic activities. Several agencies are deputed to provide safe drinking water in urban and rural areas yet serious efforts are needed to match the demand. Number of small scale UF and RO plants is rising with great losses of water as reject being pumped backed into the ground. This must be curtailed by promoting cost effective technologies all around.

This workshop has been designed to enhance the knowledge of young professional about "Water quality issues in punjab and their resolution through cost effective technologies". This course will mainly benefit the early career professional who see their future in water supply and supply to masses. This will also update their knowledge on state-of-the art technologies.

CPD Title:

Water Treatment Technologies for developing countries

Objectives:

Introducing water related issues and their solutions

Developing engineer's understanding on water quality based solutions using sustainable technologies

Main Contents

- 1) Water sources and water quality issues
- 2) Treatment options and treatment protocol
- 3) Membrane and non-membrane based treatment
- 4) Supply network related issues and their solutions

Target Participants

All graduate, postgraduate students, faculty members and Industrial professionals

SPECIAL FEATURE

- ❖ A certificate of one CPD point will be awarded to the participants.

WHO SHOULD ATTEND?

- Beginners in the Field of Flow and thermal analysis
- Engineers working in the flow and design related industry
- MSc. Students (Limited Seats)

COURSE DETAILS

Course Fee: Rs 3000/- (For Professional Engineers)
Rs 1000/- (For Full time MSc. Students)

REGISTRATION PROCESS

Application Form dully filled along with required documents and Fee in the form of Pay Order/ Bank Draft in favour of "PEB Coordinator" or online payment to Habib Bank Limited, UET Branch, **A/C No. 01287902267903** should reach on or before **24-10-2017**.

To: Prof. Dr. Habib-ur-Rehman

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Phone Office: 042-99029138

Cell no. 0300-4693613

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The related information can also be found on the website
<http://www.uet.edu.pk/cpd/index.html?RID=introduction>

PROFILE OF RESOURCE PERSONS

Dr. Zahiruddin Khan is currently serving as Associate Professor of Environmental Engineering at IEER, UET, Lhaore. He had worked as Chief Technical Officer of Punjab Saaf Pani Company betwee Spt. 2014 and Jan. 2017. Dr Khan has been the founder of the 1st Post Graduate Institute in Environmental Engineering namely Institute of Environmental Sciences and Engineering (IESE) at National University of Sciences and Technology, Islamabad. He has also served at State and Local Government of NSW, Australia where he conducted Environmental and Cleaner Production Audits of thousands of SMEs. Since 2004, Dr Khan has been involved in teaching and research in areas of water treatment and Environmental Management. He headed the Environmental Engineering Department of IESE, NUST between 2008 and 2014. He is an author of 32 publications including 17 papers in Impact Factor Journals.

Dr Sajjad H Sheikh is the Director of the Institute of Environmental Engineering & Research and a reknowned professor and Consultant in areas of municipal and industrial wastewater treatment. He has several books to his cerdit and 14 research article in impact factors journals

Engr. Ghulam Hussain is an Assitant Professor and a PhD Scholar at the Institute of Environmental Engineering and Research. He is an expert in water and wastewater supply network design and stormwater management. He has several research articles in impact factor journals.