



Continuing Engineering Education Centre,  
UET, Lahore



## PROGRAMME

25<sup>th</sup> September 2018  
Tuesday

| Event   | Time (Hours) |
|---|--------------|
| Registration  | 0830 – 0900  |
| Recitation from The Holy Quran  | 0900 – 0905  |
| Opening Remarks   | 0905 – 0915  |
| An Introduction to Nanotechnology   | 0915 – 0945  |
| Nanomaterials: Systematic Strategy  | 0945 - 1020  |
| Tea Break   | 1020 – 1040  |
| Nanoassemblies of Biomimetic membrane models                              | 1040 – 1110  |
| Applied Nanoscience and Technology: Current Research and Applications     | 1110 – 1150  |
| Selective Biomass Derived Electrochemical Conversions using Nanocatalysts | 1150 – 1220  |
| Lunch and Prayer Break  | 1220 – 1330  |
| Instrument/Equipment Training   | 1330 – 1430  |
| Tea Break   | 1430 - 1450  |
| Question Answer (open discussion)   | 1450 – 1530  |
| Award of Certificates   | 1530 – 1545  |
| Closing Remarks   | 1545 – 1600  |

University of Engineering and Technology,  
Lahore, Pakistan.

Continuing Professional Development  
(CPD)

A Workshop on

## Nanoparticles and its Various Applications

(One CPD Credit Point)



At  
Seminar Hall  
*Department of Chemistry, UET Lahore*

### Resource persons

Dr. Zahoor Ahmad and

Dr. Ashi Rashid

Department of Chemistry, UET Lahore, Pakistan.

Email:

## **BACKGROUND AND LEARNING OUTCOMES**

All researchers including scientists and engineers require continuous up-gradation of knowledge and skills to enhance working capability and competency. University of Engineering and Technology Lahore has conceived a Continuing Professional Development workshops for the young and passionate community of researchers. A series of workshops and seminars, in addition to many other academic and professional activities, are being offered by UET throughout academic calendar year.

Nanotechnology is an enabling technology that is expected to result in major changes across many industry sectors and to contribute to novel materials, devices and products. Depending on the area of application there are different timelines for the beginning of industrial prototyping and nanotechnology commercialization. First generation products are already on the market such as paints, coatings and cosmetics. More products such as pharmaceuticals, diagnostics and applications in energy storage and production are in development.

The proposed workshop in the area of Nanoscience and Technology will offer a platform to the postgraduate students and young researchers of various institutions to come together where resource persons working in this area will highlight the basic principle, synthesis process, properties as well the applications with respect to the recent research trends in national and international levels. The Forum will also be an opportunity to discuss the potential contributions of nanotechnology to sustainable development and pollution prevention, and to discuss how to achieve an equitable distribution of benefits and risks and role of responsible stewardship in addressing nanotechnology.

## **Objectives**

The overarching learning objectives of this workshop are:

- An increased focus on developing materials which have multifunctional capabilities.
- Recognition of the importance that the environmental impact of nanomaterials in developing sustainable nanotechnologies.
- The development of controlled assembly methodologies which allow for the complex arrangement of materials from the nanoscale up to the macroscale.

## **SPECIAL FEATURE**

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

## **REGISTRATION PROCESS**

Application Form dully filled along with required documents and Fee in the form of Pay Order/ Bank Draft in favor of “PEB Coordinator” or payment through bank deposit slip or online payment to Habib Bank Limited, UET Branch, **A/C No. 01287902267903** should reach on or before [25-09-2018](#)

For more information, Contact:

**Dr. Mohammad Ilyas Anjum**

Director, Continuing Engineering Education Center

UET, Lahore. Email: [directorceec@uet.edu.pk](mailto:directorceec@uet.edu.pk)

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Dr. Zahoor Ahmad Cell No. 0306-3798108

Dr Ashi Rashid

The related information can also be found on the website

<http://www.ceec.uet.edu.pk/>

## **COURSE FEE**

**Rs. 3000/- (For professionals/Industrialists)**

**Rs. 1500/- (For Faculty Members)**

**Rs. 1000/- (For Students)**

## **WHO SHOULD ATTEND**

All scientists, engineers and students who involved in research in the domain of nanoscience and technology.

## **PROFILE OF RESOURCE PERSONS**

Dr. Zahoor Ahmad has secured M.Phil and PhD degrees from Quaid-i-Azam University Islamabad-Pakistan. He completed his Ph.D research work in collaboration with School of Engineering, Cardiff University, Cardiff-Wales, UK. He has published significant number of research papers in international journals of repute with good impact factor. He has supervised numerous M.Sc/M.Phil students. He has been serving as an Assistant Professor at University of Engineering and Technology Lahore-Pakistan.

Dr Ashi Rashid has completed her Ph D degree from University of Leeds, Leed, U.K. Her area of study encompasses using analytical and electro-analytical techniques to study free and supported lipid nano-assemblies.