



PROGRAMME

October 24, 2018 (WEDNESDAY)

Event	Time (Hours)
Registration	0900 – 0915
Recitation from The Holy Quran	0915 – 0920
Opening Remarks	0920 – 0925
Introduction to Perovskite Ceramic Structures and Symmetries	0930 – 1045
Tea Break	1045 – 1115
Leadfree Pizoceramics as Advanced Materials and high performances of Piezoceramics	1115 – 1230
Lunch/Prayer Break	1230 – 1400
Pervoskite based Sensors, Actuators and Nanogenerators	1400 – 1515
Piezo-nanogenerators for energy harvesiting	1515 - 1615
Closing	1615 - 1630

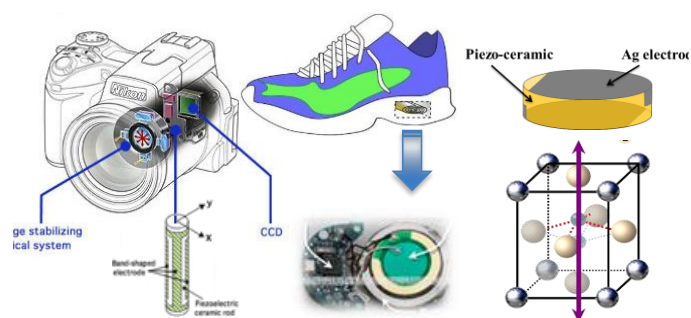
University of Engineering and Technology, Lahore, Pakistan.

Continuing Professional Development (CPD)

A Workshop on

Perovskite Structures and its Applications in Energy Devices

(One CPD Credit Point)



October 24, 2018
at

*Metallurgical and Materials Engg.
Seminar Hall, UET Lahore*

Resource Persons

Dr. Adnan Maqbool

Assistant Professor
MME Department UET Lahore.

Dr. Muhammad Asif Rafiq

Associate Professor
MME Department UET Lahore.

PURPOSE AND BACKGROUND

All working professionals including engineers require continuous up-gradation of their knowledge and skills to improve working competency and efficiency. University of Engineering and Technology Lahore has conceived a Continuing Professional Development Program for its growing community of professional engineers. A series of short courses and workshops, in addition to many other academic and professional activities, are now offered by UET on regular basis.

This workshop has been designed to enhance the knowledge of young professional and researchers about "Perovskite Structures and its Applications in Energy Devices". In this course, graduates can learn about latest trends in various research areas of new ceramic structures, synthesis and its applications in fabrication of energy devices. Furthermore, effects of doping on Perovskite structures, Electromechanical properties and interpretation, Hybride structures and Energy devices fabrciation and its applciations will also be explained. Materials, Civil, Polymer, Chemical, Manufacturing, Mechanical and Electrical Engineering graduates can be benefited from this course.

The course contents will include:

1. Perovskite structure
2. Electromechanical properties and interperatation
3. Hybride structures
4. Energy devices fabrciation and applciations

SPECIAL FEATURE

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

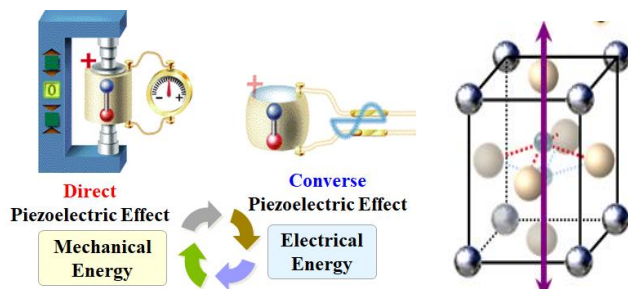
WHO SHOULD ATTEND?

- Materials Engineers, Civil Engineers, Manufacturing Engineers, Chemical Engineers, Mechanical Engineers, Electrical Engineers and Physicist and Open to all
- Full time M.Sc. and PhD Students

COURSE DETAILS

Course Fee: Rs 3000/- (For Professional Engineers)
Rs 1500/- (For Faculty Members)

Rs 1000/- (For full time M.Sc. and Ph.D. 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 payment through bank deposit slip or online payment to Habib Bank Limited, UET Branch, A/C No. **01287902267903** should reach on or before **23-10-2018**.

To: Dr. Mohammad Ilyas Anjum
Continuing Engineering Education Center,
UET, Lahore.
Phone Office: 042-99250221, 99029497
Cell no. 0303-0550949
Email: directorceec@uet.edu.pk

The related information can also be found on the website
<http://www.ceec.uet.edu.pk>

You can also contact:

Dr. Furqan Ahmed (Assoc. Prof., MME Department)
Cell No. 0320 9439045
Email: furqan.ahmed@uet.edu.pk

RESOURCE PERSONS PROFILE

Dr. Adnan Maqbool is currently working as an Assistant Professor in Metallurgical and Materials Engineering Department, University of Engineering and Technology (UET), Lahore. Previously, he served as a postdoctoral researcher at Chung-Ang University (CAU). He received his Ph.D. in Nano and Advanced Materials Engineering at Changwon National University (CWNU) from 2012-2015. He worked as a Research Associate (Lecturer) from 2011-2012 in Ghulam Ishaq Khan Institute of Science and Technology, Pakistan. His research interests include lead-free high strain piezoelectric materials for actuator applications and energy harvesting, electroactive polymers and carbon nanotubes based smart sensors.

Dr. Muhammad Asif Rafiq is serving as Associate Professor and Director of Ceramics Engineering Lab. at the Department of Metallurgical and Materials Engineering, UET Lahore. He completed his Ph.D. (Piezoelectric Ceramics) from University of Aveiro, Portugal in 2014. His research interests include Synthesis and characterization of bulk and nano-ceramics, piezoelectrics, ferroelectrics, dielectric, magnetic materials, engineering of thermoelectric oxide and adding value to traditional ceramics.

