

Resource Persons

The following eminent speakers are invited as resource persons for the event:

- **Prof. Dr. Mohammad Aslam Uqaili**
Mehran University of Engineering and Technology, Jamshoro
- **Dr. Jonathan Nixon**
School of Mechanical, Aerospace and Automotive Engineering, Coventry University, UK
- **Prof. Dr. Inayatullah Jan**
Institute of Development Studies (IDS)
The University of Agriculture Peshawar
Khyber-Pakhtunkhwa, Pakistan
- **Prof. Mushtaq A. Mirani**
Sindh Rural Support Program (SRSP)
- **Prof. Dr. Khanji Harijan**
Department of Mechanical Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan
- **Prof. Dr. Shaheen Aziz**
Department of Chemical Engineering, Mehran University of Engineering and Technology, Jamshoro
- **Dr. Abdul Waheed Bhutto**
Department of Chemical Engineering, Dawood University of Engineering and Technology, Karachi
- **Ms. Diana Nicoleta Vienesca**
Research Scholar, Aerospace and Aircraft Engineering, Kingston University, London, UK

Our Sponsors



Committees

Patron:

Prof. Dr. Mohammad Aslam Uqaili
Vice Chancellor

Advisory Committee:

Prof. Dr. Hafeez Ur Rahman Memon
Prof. Dr. Khanji Harijan
Dr. Jonathan Nixon
Prof. Dr. Khan Muhammad Brohi
Prof. Dr. Rasool Bux Mahar
Prof. Dr. Dur Muhammad Pathan
Prof. Dr. Suhail Ahmed Soomro
Prof. Dr. Shaheen Aziz
Prof. Dr. Zubair Ahmed Memon
Prof. Dr. Syed Feroz Shah

Organizing Committee:

Dr. Tanweer Hussain
Dr. Abdul Razaque Sahito
Dr. Pervez Hameed Shaikh
Dr. Sheeraz Ahmed Memon
Dr. Faheemullah Shaikh
Ms. Diana Nicoleta Vienesca
Engr. Nayyar Hussain Mirjat
Engr. Gordhan Valasai
Engr. Imran Nazir Unar
Engr. M. Atif KK.
Engr. Javed Rehman Larik
Engr. Awais Junejo
Engr. Qadir Nawaz
Engr. Shoaib Ahmed Khatri
Engr. Shuaib Ahmed Khuhro
Ms. Sher Bano Fatima
Ms. Hira Soomro
Engr. Ans Memon

Who Should Attend?

The Professionals, Scientists, Industrialists, Government Organizations, NGOs, Investors, Stakeholders, Biomass Energy Consumers and Postgraduate Students in the field of Biomass Energy.

Mehran University of Engineering
and Technology, Jamshoro

One Day Workshop on

Biomass Energy



09:00 AM to 05:00 PM

Friday, November 04, 2016

Makhdoom Daud Hall, MUET, Jamshoro

For details:

Prof. Dr. Khanji Harijan (PI)
khanji.harijan@faculty.mueta.edu.pk
Mob: +92 333 2653820

Organized by:



Under

HEC-BC Knowledge Economy Partnership Program

Project: Biomass Resource Utilisation for Clean Energy
Production and Socio-Economic
Development in Rural Areas

Overview of the Project

Pakistan is an energy deficient society and is facing severe energy crises. The energy sector of the country relies heavily on the imports of fossil fuels to satisfy its energy needs. About 65% of the country's population lives in rural areas and most of them have no access to natural gas, as such, and use biomass for cooking and heating. The consumption of biomass using inefficient cook stoves in rural and semi-urban areas degrades the indoor air quality. High exposures to indoor air pollutants (IAP) has resulted in serious health issues such as acute respiratory infections, chronic obstructive lung disease, tuberculosis, blindness and lung cancer especially in women and children. The IAP causes about 100,000 premature deaths annually in Pakistan.

Pakistan is an agrarian country and produces substantial quantity of biomass that could be used for cleaner energy production such as through efficient cook stoves and production of process heat, biofuels, biogas and electricity. The acceptance level of efficient cook stoves, biogas units, etc. is encouraging in Pakistan, but their dissemination is still far below the estimated potential, due to the un-affordability, unawareness, and the lack of skilled persons to build, operate and maintain the systems.

The main objective of this project is to explore the biomass potential for the production of clean energy for heating, cooking and other purposes. The project aims in capacity building and transferring the knowledge in the area of clean

bioenergy production and utilization. The biomass energy systems will be investigated for their techno-economic performance viability. The socio-economic impacts of the systems will also be assessed. Proto-type units of these systems will be designed, developed and demonstrated. Effective education and outreach programs will be devised to speed up the sustainable implementation of clean biomass energy systems. The efficient use of biomass would increase energy independence, improve domestic economies, improve the health of women and children, and reduce IAP. Industry will also be benefited with the work carried out for developing locally available biomass resources conversion and utilization systems.

Workshop Theme

The workshop covers wide range of topics in the area of Biomass Energy.

- Biomass resources and logistic
- Biomass utilization for energy
- Biomass to Energy Conversion Technologies
- Social, economic and environmental aspects of biomass energy
- Biomass Supply Chain and Life Cycle Management

Certificates of Participation will be distributed among the participants at the end of the workshop.

Mehran University of Engineering and Technology, Jamshoro

Biomass Energy



Registration

Academia	Rs. 500/- per participant
Industry/Others	Rs. 1,000/- per participant

Registration can be made by filling up the registration form provided here and submit on the registration desk on the workshop day.

First Name: _____

Last Name: _____

Position/ Profession : _____

Organization: _____

City: _____

Country: _____

Email: _____

Phone No: _____

Address: _____

Signature