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- Prof. Dr. Nazimuddin Qureshi (Co-Chairman)
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King Fahd University of Petroleum and Mineral
Sciences, Saudi Arabia

NEED

In order to tackle the challenges for exploring new and alternative methods for energy production and develop a protocol for energy conservation in the country, a Network of Excellence in Energy Development (NEED) has been established at NED University. It is a research group with the explicit objective of creating a group of professionals who can assist in managing the country's energy crisis by promoting interdisciplinary potential assessment, research and development. NEED aspires to cover all the multifaceted aspects of energy, including the planning and management aspects on a broader scale as well as specific small-scale projects that can benefit a larger populace.

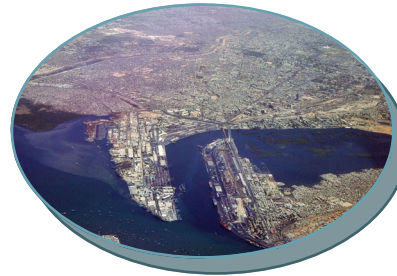


Venue

NED University of Engineering and Technology
University Road, Karachi, Pakistan

Karachi

Karachi is a bustling metropolis of over 20 million people, located on the southern coastline of Sindh province next to the Arabian Sea. It is the industrial and commercial hub of Pakistan with several industrial zones, an airport, two seaports and rail and road linkages to the rest of the country. With several renowned universities located in the city, Karachi is a major centre for education and higher learning in South Asia and the Muslim world.



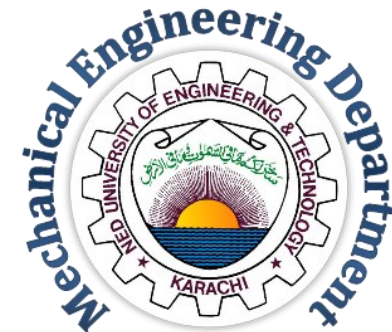
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Conference webpage: www.neduet.edu.pk/mech/ces
Conference email: ces@neduet.edu.pk

Conference on Energy and Sustainability

27 April 2013



www.neduet.edu.pk/mech/ces

NED University of Engineering and Technology

Mechanical Engineering Department is pleased to announce a Conference on Energy and Sustainability. The goal of the conference is to provide a forum for exchange of ideas and information regarding current research activities and plans for addressing the energy and sustainability issues in the country.



Who should attend?

The participants would include scientists, engineers, managers, NGO representatives, legislators and policy makers involved in following activities:

- Power generation
- Fossil fuel based power systems
- Renewable and alternative energy
- Hybrid energy solutions
- Energy audit and efficiency
- Innovative energy solutions
- Building and energy
- Heat transfer systems
- Power distribution
- Policy related matters

Papers will be presented at the conference after being peer-reviewed. They will also be published in conference proceedings.

Pakistan's Energy Scenario

Pakistan is undergoing an unprecedented energy crisis with severe shortfalls in the supply of electricity, natural gas and oil to cater for the growing industrial and domestic requirements. Electric load-shedding is incessant and is estimated at about 25% of the system demand. Gas load-shedding is now also on the rise due to rapidly depleting natural gas reserves. These factors have combined to curtail the economic growth of the country significantly over the past few years. Moreover, our energy mix is heavily dependent on imported oil and an oil import bill of about USD 13 billion is an enormous burden on the economy.

There is an urgent need on national scale to search for viable indigenous sources of energy — whether conventional or renewable — that can be harnessed without adding to the import bill. Pakistan is blessed with sizeable deposits of natural gas, huge coal resources in Thar region and plenty of potential sites for hydroelectric, solar and wind power plants. Efforts are already underway in this regard and some progress has been made in the development of coal in Thar and wind power in Jhimpir. However, more needs to be done before Pakistan can move ahead on the road to energy independence and self-sufficiency.

In order to provide a stimulus to the search for solutions to Pakistan's dire energy problems, Mechanical Engineering Department has decided to host a conference on Energy and Sustainability. It is anticipated that participation of experts from related fields in this conference will lead to an exchange of information on recent research and latest technologies that are most suitable for Pakistan. The conference is expected to establish and enhance linkages between energy industry and academia that can provide necessary impetus for new development and research projects.

Important Deadlines

Online registration	At your earliest
Abstract submission	November 1, 2012
Abstract acceptance	November 15, 2012
Full paper submission	December 10, 2012
Full paper acceptance	February 1, 2013
Camera ready paper	February 15, 2013
Final registration	February 28, 2013
Conference	April 27, 2013

Final Registration

This conference is a recognised activity for Continuing Professional Development (CPD) according to the rules of Pakistan Engineering Council (PEC). PEC will award credit points to engineers as per their defined criteria.

At least one author must pay full and the rest can pay only for participation.

- Paper authors PKR 3000 or USD 40
(includes printed proceedings)
- Participation PKR 2000 or USD 30
- Students/Scholars PKR 1000 or USD 20
(Masters' students, PhD and postdoctoral research scholars only)

All participants will get conference proceedings on DVD, or they may purchase a hard copy of the same for PKR 1000 or USD 20. All paper authors must be registered with payment on or before February 28, 2013. Each additional paper presented by the same author will only be charged PKR 1500 or USD 25.

Contact

Please visit the conference website at the following web address for online registration:

www.neduet.edu.pk/mech/ces

Further details on submission and template are available on the website. If you have any queries, please send an email at:

ces@neduet.edu.pk