

Workshop on:

The World of Energy Economics

March 8 & 9 2023

Program Overview:

This is a two-day highly interactive workshop which covers key aspects of the economics of energy as it affects the world in general and Pakistan in particular. The role of energy in economic development and activity at a national (Pakistan), and global level is examined. The workshop also focuses on the tools and economic methods of assessing energy technologies and energy projects --- renewable and non-renewable. The instructor applies a critical-thinking approach to facilitate an understanding and appreciation of the ever-changing drivers shaping the world of energy.

The workshop reviews several business and financial models in the assessment of energy investments both at national and corporate levels. It facilitates an understanding of the key and diverse drivers, mechanics and dynamics of energy supply and demand. Examples are drawn from a wide range of settings.

The workshop also examines crucial areas and future developments in the field of energy economics including energy policies, rapidly evolving energy markets (oil, gas, electricity, and renewables), project evaluation, meg trends (for example electric vehicles, micro grids, distributed energy resources) and several other topics. It critically reviews energy's externalities (for example climate change) and how we deal with them.

A case study, task-based and problem-solving approach is followed interspersed with instructor's lectures and expert opinions. Covers both qualitative and quantitative aspects.

Who should attend?

Though this will be an open enrolment course, the target audience of this workshop is policy makers in the energy industry, economists, security and investment analysts and middle to senior managers of both energy/renewables organizations and those in the corporate sector. CEOs of smaller middle level entities may be also approached.

Trainers Profile:

Muqtadar Quraishi has taught energy economics, energy policy and the energy value chain as a faculty member at Cornell University, USA for the last 5 years, from where he brings the latest in the field of energy to our workshop. Prior to this appointment he worked in the energy and chemical industry for over 30 years in senior positions with Caltex, Chevron and Exxon, both in Pakistan and abroad. Areas of expertise include strategic and business planning, supply chain management and optimization, acquisitions, project design, evaluation, development and management.

Mr. Quraishi has been a board director with Chevron Pakistan. He was also a director on the board of Pakistan Refinery Ltd. He also served on the board technical and audit committee of a large joint venture pipeline project. He retired from Chevron in 2014 after 24 years of service, as head of Value Chain Optimization functionally covering Pakistan, Egypt and the Middle East. He was also one of the authors of Pakistan's Integrated Energy Plan sponsored by the Government of Pakistan.

He has also taught Supply Chain Management at the Institute of Business Administration, Karachi, over a five-year period as an adjunct faculty. Mr. Quraishi holds a B.S. degree in mechanical engineering from Brown University, USA and a Masters in Engineering from Cornell University. He is also an MBA from IBA, Karachi.

Topics Covered:

- 1) Energy --- an introduction. Essential linkages between energy, society and technology.. Review of data platforms. 2 hours
- 2) Energy Policies --- basics, and how they affect development. Policy drivers and design considerations. 2 hours.
- 3) Electricity markets and structure --- global and national. Models and tools and applicability to Pakistan. Challenges ahead for Pakistan and possible remedies. 2.5 hours
- 4) Renewables --- where is the world heading? Opportunities and challenges --- global and national. 2 hours
- 5) Natural Gas --- Pakistan's gas structure; challenges and solutions. 1.5 hours
- 6) Electric Vehicles --- micro and macro-analysis. Basic modeling. Pakistan's EV policy. 1 hour

Workshop Fees PKR 60,000/- per participant + 5% SST

Inclusive of Course material IBA Workshop Certificate Lunch Refreshments & Business networking

Experience

EXECUTIVE EDUCATION

Centre for Executive Education, IBA, Karachi

Center for Executive Education (CEE)
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