

Preliminary Programme:

Current Developments in Portfolio and Risk Management – Energy Markets in Transition

Wednesday, 7th February 2018, 9:30 am to 4:45 pm

Description:

The energy transition progresses both in Germany and Europe. Simultaneously, the conditions along the complete value chain of the energy industry and energy markets in particular continue to evolve. Due to the ever increasing share of intermittent renewable generation, forecasting has become an essential tool of risk management and state-of-the-art methodologies with low cost and computational effort are required. Balancing markets will play an important role in a transformed energy system and remain an important topic. They continue to be discussed from both a market design perspective but also from the perspective of new participants seeking extra yield from offering their services in these markets. Meanwhile, the conditions for traditional generation, still required during the transition, are further altered. A reform of the EU emissions trading system seems imminent and the introduction of a carbon price floor would have great effects on marketed assets and portfolios, while the developments on the European gas market also have ramifications for portfolio and risk management. With the workshop “Current Developments in Portfolio and Risk Management” the E-World congress programme provides a platform for exchange between the scientific community and industry. Energy markets in transition are discussed in four topic blocks: forecasting, balancing markets, carbon pricing as well as European gas markets are considered from both a practical and scientific perspective. The workshop is aimed at the practitioners from all stages of the energy industry’s value chain and at researches involved in the field. The sessions will provide opportunities to discuss concepts and experiences presented and stimulate exchange between all stakeholders.

Host: Prof. Dr. Christoph Weber, Chair of Energy Economics,
Universität Duisburg-Essen

Each presentation title represents a working title and may be slightly altered in due course.

9:30 am Welcome and opening of the conference by the host

Forecasting

9:45 am **Current Best Practice of Uncertainty Forecasting for Wind Energy**
Dr. Ulrich Focken, energy & meteo systems GmbH, Oldenburg

10:15 am **Optimal Power Price Forecasting accounting for Forecasting Horizon**
M.Sc. Arne Vogler, House of Energy Markets and Finance, Essen

10:45 am Discussion

11:00 am Coffee Break

Markets for Balancing Energy

11:15 am **Battery Storage Facilities and Balancing Services**
Dipl.-Ing. Karl Resch, EMBA HSG, STEAG GmbH, Essen

11:45 am **Challenges and Opportunities for the Exchange of Balancing Energy between Continental Europe and the Nordic Market**
Prof. Gerard L. Doorman, Ph.D., Norwegian University of Science and Technology, Trondheim

12:15 pm Discussion
12:30 pm Lunch Break

Carbon Pricing

02:00 pm **The Effect of a CO2-Price Floor on the German Power Plant Fleet**
B.Sc. Carlos Perez Linkenheil, Energy Brainpool GmbH & Co. KG, Berlin

02:30 pm **Reforming the EU Emissions Trading System**
Dr. Mark Andreas Andor, RWI - Leibniz Institut für Wirtschaftsforschung, Essen

03:00 pm Discussion
03:15 pm Coffee Break

European Gas Market

03:30 pm **European Gas Market – Implications of American and Russian Rivalries**
Dr. Ingo Ellersdorfer, Uniper SE, Düsseldorf

04:00 pm **Global Gas Investments and the Impact on European Gas Markets**
M.Sc. Sina Heidari, House of Energy Markets and Finance, Essen

04:30 pm Discussion
04:45 pm End of Session