



CALL FOR PAPERS - CEEM ANNUAL CONFERENCE

“HYBRID ELECTRICITY MARKETS – RECENT DEVELOPMENTS AND KEY RESEARCH QUESTIONS”

13 JUNE 2024, PARIS
UNIVERSITY PARIS DAUPHINE-PSL

The Chair European Electricity Markets (CEEM) at the University of Paris Dauphine – PSL supported by its partners RTE, EDF, EPEX Spot and Total Direct Energie is pleased to invite you to its annual conference in Paris Dauphine University on 13 June 2024.

This Call for Papers presents the key areas of research and the modalities for participation to the CEEM conference. It is envisaged that the papers presented will be published as part of the CEEM Working Papers and eventually in a peer reviewed journal, and will thereby benefit from the CEEM incentive program for publication (see below).

INTRODUCTION AND OBJECTIVES OF THE CONFERENCE

In Europe and in the USA, electricity markets are adapting to a rapidly changing resource mix driven by decarbonisation policies. A range of planning and support mechanisms have been introduced, leading to a mixed approach to entry and exit in the market, driven both by market signals and out of market mechanisms. A wide range of designs of such “hybrid markets” is observed, depending on the specific roles and articulation of the market and of support mechanisms, raising new research questions.

The annual conference of the Chair on European Electricity markets will focus on the theme of hybrid electricity markets and aim to gather research and evidence on different aspects, which are at the core of the CEEM research program.

The focus of the conference will be on the ongoing research regarding the definition of a new electricity hybrid market models that make it possible to respond to the issues related to the coordination and financing of the investments necessary for a successful energy transition in the context of volatile energy prices and concerns on security of supply. This requires a profound revision of the historical electricity market model defined in the 1980s/1990s in a different context and with different policy objectives.

The objective of the conference will be to discuss the recent evolutions across different jurisdictions in the light of academic research – with a particular focus on the

definition of a new electricity market model that would respond to the challenge of coordination and financing of the investments necessary for a successful energy transition in the context of volatile energy prices and increased concerns on security of supply and affordability of energy.

PRESENTATION OF THE RESEARCH THEMES AND WORKSTREAMS

The conference program will be structured around the following key research questions:

Workstream 1: Wholesale market dynamics and market design evolutions with high shares of RES

This workstream will focus on the way in which power markets are adapting to growing shares of RES in terms of the resulting power price dynamics and implication for operational challenges. Papers focusing on the evolution the design of power markets to eg. provide more granular price signals are also welcome.

Workstream 2: Contracting (CfDs / PPAs) and de-risking mechanisms and their interface with the market

This workstream will focus on the investment challenges and in particular the role of long term contracts (CfDs, PPAs in particular) and other de- risking mechanisms. It is anticipated that papers in this workstream will cover in particular i) the definition of the types of long term contracts and support mechanisms such as CfDs, their pros and cons and suitability for different types of assets; and ii) the design of the products to be procured, and the extent to which technology neutrality and competition based on attributes should be pursued.

Workstream 3: Retail prices and distribution issues in the context of the energy transition

This workstream will focus on the relationship between wholesale and retail prices, and the cost born by different types of end users. The topics that will be covered include: i) the passing through to end consumers of the costs of long-term contracts and support mechanisms, and the distributional / efficiency issues associated; ii) the tradeoff between cost reflectivity versus discrimination between different types of users based on e.g. vulnerability; and



iii) the impact of different pricing structures on demand response and on the efficient signals for consumers.

Workstream 4: System planning and new challenges emerging across markets and networks

This workstream will cover the way in which the interplay between market arrangements and the development and operation of the networks is evolving in the energy transition. Papers in this workstream are expected to focus on issues related to: i) the evolution of approaches for the planning of network expansion; ii) challenges associated with the development of offshore grid and associated offshore wind production; iii) issues associated with the expansion of the distribution network and the possibility to develop flexible resources as an alternative/ complement to network expansion; and iv) the revival of the debate on location prices and alternative approaches to address congestion.

PRACTICALITIES AND INCENTIVE PROGRAM

To register your interest for the conference, authors should send an abstract of ca. 500 words indicating the research question, the methodology, data (if applicable), literature and results to the CEEM Scientific Director Fabien Roques (fabien.roques@dauphine.psl.eu) and the CEEM Scientific Advisor Leopold Monjoie (leopold.monjoie@dauphine.eu) by 15 May 2024.

The CEEM will be happy to cover the (reasonable) travel expenses of the authors of selected papers for presentation.

The objective of this call for paper is to provide a collaborative environment that will support the development of working papers to be published by the CEEM – and ultimately in peer reviewed energy economics academic journals.

Researchers that wish to participate will commit to 1/ present initial findings at the CEEM conference in Paris on 13/06/2024, and to 2/ eventually produce a paper that will be published as part of the CEEM Working papers and in a peer reviewed journal.

Researchers submitting a paper will be incentivized and remunerated for their participation through the usual CEEM policy to provide financial compensation for the publication of working papers and for publication in academic journals. The acceptance of a research paper among the Working Papers of the CEEM gives right to the lump sum of 1000€ Gross. If there are several authors, the sum can be equally divided between them. In view of the publication of the research paper in one of the academic journals listed below, and provided that the

CEEM is explicitly thanked, an additional compensation of an amount in euros will be paid (in line with CEEM policy which ranges from 1,000 euros to 4,000 euros)

Deadlines

Sending of the abstract **15 May 2024**

International conference **13 June 2024**

Contacts

Fabien Roques fabien.roques@dauphine.psl.eu

Leopold Monjoie leopold.monjoie@dauphine.eu