

# The electricity market design of the future

7 June 2017

Residence Palace

Rue de la Loi 155 - 1048 Brussels

[www.marketdesignofthefuture.eu](http://www.marketdesignofthefuture.eu)

#marketdesign2050 

## 08h45 Registration

9h00 Welcome and Introduction

**Kristian RUBY**

Secretary General  
EURELECTRIC

09h15 Will the Clean Energy Package pave the way for 2050?

*Keynote speech*

**Oliver KOCH**

Deputy Head of Unit - Internal Energy Market, DG ENERGY

09h35 The challenges of the market after the transition

*Keynote speech*

**Graham WEALE**

Honorary Professor for Energy Economics and Politics, Ruhr Uni Bochum

## 10h00 Coffee break

## 10h30 Parallel sessions

### Session 1

### Session 2

### Session 3

#### The market goes local

#### Solving the investment equation

#### Security of supply: A consumer's choice

**PoI OLIVELLA-ROSELL**

*Universitat Politècnica de Catalunya*

**Paul DE WIT**

*Alliander*

**Rens PHILIPSEN**

*Delft University of Technology*

**Klaus SKYTTE**

*Denmark Technical University*

**Anthony PAPAVASILIOU**

*Université catholique de Louvain*

**Ruth DOMÍNGUEZ**

*University of Castilla-La Mancha*

**Christian GRENZ**

*Friedrich-Alexander University Erlangen-Nuremberg*

**Gerard DOORMAN**

*Norwegian University of Science and Technology*

**Christian WINZER**

*Independent contributor*

**Malcolm KEAY & David ROBINSON**

*Oxford Institute for Energy Studies*

**Felicity CARUS**

*Climate Policy Initiative*

Moderated by:

**Juan José ALBA RIOS**

Chair of the Markets Committee  
EURELECTRIC

Moderated by:

**Leonardo MEEUS**

Research Fellow  
Florence School of Regulation

Moderated by:

**Peter FRASER**

Head of Gas, Coal and Power Markets  
IEA

*Full list of the speakers, institutions and contributions on page 2*

## 12h30 Wrap-up and key takeaways

12h30 **Jean-Michel GLACHANT**

Director of Florence School of Regulation

**Juan José ALBA RIOS**, EURELECTRIC

**Leonardo MEEUS**, FSR

**Peter FRASER**, IEA

## 13h00 Networking lunch

# The electricity market design of the future

## Session 1 – The market goes local

Authors	Contribution	Institutions
Pol Olivella-Rosell, Jayaprakash Rajasekharan, Bernt Arild Bremdal, Stig Ødegaard, Andreas Sumper and Roberto Villafafila-Robles	Design and Operational Characteristics of Local Energy and Flexibility Markets in the Distribution Grid	Smart Innovation Norway, eSmart Systems, Universitat Politècnica de Catalunya
Paul de Wit	The Future Proof Market Model	Alliander
Rens Philipsen, German Morales-Espana, Mathijs de Weerd, Laurens de Vries	Power-based Market: Scheduling Energy and Ramp Flexibility	Delft University of Technology

## Session 2 – Solving the investment equation

Authors	Contribution	Institutions
Claire Bergaentzlé; Klaus Skytte; Emilie Rosenlund Soyal; Jonas Khubute Sekamane; Jonas Katz; Thure Traber; Ole Jess Olsen	FlexEm 2050: Flexible Electricity Markets for decarbonized systems	Denmark Technical University – Management Engineering, Energy Economics and Regulation Group
Anthony Papavasiliou, Alex Papalexopoulos, Shmuel Oren	Market design for a decarbonized electricity market	Université catholique de Louvain, ECCO international, University of California (Berkeley)
Ruth Domínguez, Miguel Carrión, Giorgia Oggioni	Toward a Fully Renewable European Electric Energy System	University of Castilla-La Mancha
Christian Grenz	Investments conditions and refinancing mechanisms in the European electricity market(s) of the future	Friedrich-Alexander University Erlangen-Nuremberg

## Session 3 – Security of supply: A consumer's choice

Authors	Contribution	Institutions
Gerard Doorman, Laurens de Vries	Electricity market design based on consumer demand for capacity	Norwegian University of Science and Technology, Delft University of Technology
Malcolm Keay, David Robinson	The two markets approach	Oxford Institute for Energy Studies
Christian Winzer, Frieder Borggrefe	Power to the people – Creating markets for supply security based on consumer choice	None, German Aerospace Agency
Felicity Carus	Designing electricity markets for low carbon grids	Climate Policy Initiative