

E-PRICE

PRICE-BASED CONTROL OF ELECTRICAL POWER SYSTEMS

June 17-18, 2010



The recent globalization, liberalization, and diversification of the energy market urge the solution to both long-standing and new technical and economical challenges. Besides conventional issues like the finite capacity of the power grid and the difficulty of storing energy, several new problems arise: The use of renewables and the steadily increasing number of stakeholders make the entire supply-chain of energy much more unpredictable and fast evolving, power plant operations and trading strategies are growing ever more intertwined.

The E-PRICE European project addresses these challenges by proposing new engineering techniques for solving real-time decision-making problems. The project collects and blends together innovative ideas from the different disciplines of control, computing, communication, economics, and of course power systems. Its ultimate goal is the development of an ICT platform that assists the decision maker in optimizing economic objectives under constraints on plant and grid operations.

The event includes a small workshop, in which selected speakers have been invited to provide industrial and academic perspectives and activities, followed by a technical progress meeting of the E-PRICE project partners (TU Eindhoven, Univ. of Trento, ETH Zurich, KEMA N.V., ABB, APX-Group, Operational Research Systems, TenneT Holding B.V.)

The event is free of charge. The workshop is fully open to the public.

"E-PRICE - Price-based Control of Electrical Power Systems", 7th Framework Programme, ICT-2009.6.3 "ICT for energy efficiency", Contract no. 249096,

E-PRICE

PRICE-BASED CONTROL OF ELECTRICAL POWER SYSTEMS

June 17-18, 2010



Venue: Faculty of Sociology [[here](#)]

Programme

Thursday June 17

Open mini-workshop on

“Research challenges and opportunities in the future energy market”

08.30 - 08.45	Welcome and opening	Alberto Bemporad, Dario Petri, Massimo Riccaboni Univ. of Trento
08.45 - 09.25	“The electricity market and the contribution of large producers to the technical and economic performance of the power system”	Nigel Hawkins, Enel
09.25 - 10.05	“ICT & Energy: a telco point of view”	Fabio Luigi Bellifemine, Telecom Italia
10.05 - 10.45	<Optimization strategies for energy trading and unit commitment (TBC)>	Stefano Cetti, IBM
10.45-11.00	Coffee break	
11.00-11.40	“Stochastic models of power prices in competitive markets”	Carlo Mari, University of Chieti, Italy
11.40-12.20	“Wind integration - By all available means”	Kameshwar Poolla, UC Berkeley
12.20-13.00	<Operations research applications in the energy market (TBC)>	Pierluigi Riva, Operational Research Systems

E-PRICE - Internal progress meeting

14.30-14.45	Opening of E-Price progress meeting	Paul van den Bosch
14.45-15.45	WP 1 Progress Task 1.4 Presentation/discussion	Paul van den Bosch
15.45-16.00	Coffee break	
16.00-16.45	WP 1 Progress Task 1.1 Presentation/discussion	Ioannis Lampropoulos
16.45-17.30	WP 1 Progress (continued) Task 1.2 Presentation/discussion	Ioannis Lampropoulos
17.30-18.00	WP7 progress D7.1,D7.2, D7.4 Presentation/discussion	Will Hendrix
20.00	Social dinner offered at the "Scigno del Duomo"	

Friday June 18

09.00-10.30	WP 1 Progress Task 1.3 Presentation/discussion Task 1.3 Presentation/discussion	Ana Virag Andrej Jokic
10.30-10.45	<i>Coffee break</i>	
10.45-11.30	WP2 Work approach plan presentations and discussion	Andrej Jokic
11.30-12.15	WP3 Work approach plan presentations and discussion	Alberto Bemporad
12.15-13.15	Lunch	
13.15-14.00	WP4 Work approach plan presentations and discussion	Sebastien Mariethoz
14.00-14.20	ETH work progress presentation/discussion	Joe Warrington
14.20-15.20	WP6 progress Task 6.1, 6.2 presentation/discussion	Martijn Duvoort
15.20-15.30	Meeting wrap up , next meeting!	