

## ACCOMMODATION

Attendees may want to stay close to Supélec (hotel B&B, hotel d'Orsay), or downtown Paris (hotel Lion, Berkeley hotel). Supélec can provide a broader list of recommended hotels.

Please contact directly:

### Hotel B&B

Phone: +33 8 92 78 80 91

Fax: +33 1 69 35 34 59

*Single and double room:* €45-52

(Breakfast not included)

<http://www.hotel-bb.com>

### Hotel d'Orsay

Phone: +33 1 6486 17 47

Fax: +33 1 64 86 17 48

*Single room:* €60 (breakfast not included)

<http://www.le.moulindelly.com/>

### Hotel Lion\*\*

Phone: +33 1 40 47 04 00

Fax: +33 1 43 20 38 18

*Single room:* €60

*Double room:* €82

(Breakfast not included)

<http://www.hotel-lion.com/>

### Berkeley Hôtel\*\*\*

Phone: +33 1 43 22 25 37

Fax: +33 1 43 22 13 70

*Single room:* €86

*Double room:* €122

(Breakfast not included)

<http://www.hotel-berkeley.com/>

## COURSE FEES

The course fees include lectures attendance, documentation (cd and binder), coffee breaks and lunches.

Members of the EES-UETP: **525 EUR**

University non members of the EES-UETP: **900 EUR**

Industry non members of the EES-UETP: **1500 EUR**

The Course Secretariat will send an invoice/receipt to each registered participant, after the reception of the filled Registration Form, together with the bank transfer.

Other information can be found at:

<http://power.inescn.pt/EES-UETP/>

or by phone

Mr. Yannick PHULPIN

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## INFORMATION, REGISTRATION AND COURSE LOCATION

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SUPELEC

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FRANCE



Electric Energy Systems  
University Enterprise Training  
Partnership

<http://power.inescn.pt/EES-UETP/>

## 2009 Course Program

New challenges of  
electricity markets

October 14<sup>th</sup> - 16<sup>th</sup>, 2009



SUPELEC  
3 rue Joliot Curie  
91192 Gif sur Yvette  
France

Organized by  
SUPELEC

## OBJECTIVES

In the last decades, electric power systems undertook structural modifications toward the development of electricity markets. Different types of markets have been designed to cope with issues related with energy supply, transmission management, or ancillary services.

However, reliability and environmental issues, among others, raise the need of new regulation policies toward more efficient power system management and large-scale integration of renewable energy sources.

The course aims at providing an in-depth knowledge of new challenges of electricity markets with regard to transmission pricing and renewable energy integration. Course topics cover theory and practices in electricity markets, congestion managements, ancillary services, balancing mechanisms and renewable energy support. Moreover, the participants will be involved in two didactic sessions in experimental economics.

## COURSE DURATION

Three days - 14th through 16th October 2009

## CONTENTS / SCHEDULE

### **Wednesday, October 14**

8:30 - 8:45 - Registration  
8:45 - 9:00 - Opening Session  
9:00 - 10:30 - From vertically integrated utilities to electricity markets (F. Romerio)  
10:30 - 11:00 - Coffee break  
11:00 - 12:30 - Types of markets and time-sequencing (F. Romerio)  
12:30 - 14:00 - Lunch  
14:00 - 15:00 - Experimental approach of competition strategies on electricity markets (C. Staropoli)  
15:00 - 15:30 - Coffee break  
15:30 - 17:30 - Experimental approach of competition strategies on electricity markets (C. Staropoli)

### **Thursday, October 15**

9:00 - 10:30 - Congestion management (V. Rious)  
10:30 - 11:00 - Coffee Break  
11:00 - 12:30 - Market integration (L. Meeus)  
12:30 - 14:00 - Lunch  
14:00 - 15:30 - Ancillary services (Y. Rebours)  
15:30 - 16:00 - Coffee Break  
16:00 - 17:30 - Transmission cost allocation (Y. Phulpin)

### **Friday, October 16**

9:00 - 10:30 - Renewable energy support mechanism (A. Quelhas)  
10:30 - 11:00 - Coffee Break  
11:00 - 12:30 - Wind power integration in the electricity markets (J. Usaola)  
12:30 - 14:00 - Lunch  
14:00 - 15:30 - Renewable energy integration in the electricity markets (C. Weber)  
15:30 - 16:00 - Coffee Break  
16:00 - 17:30 - Technological development and electricity markets of the future (A. Nekrassov)

## INSTRUCTORS

**Prof. Franco Romerio**  
- *University of Geneva, Switzerland*  
**Prof. Carine Staropoli**  
- *ATOM, University of Paris 1, France*  
**Prof. Vincent Rious**  
- *SUPELEC, France*  
**Prof. Leonardo Meeus**  
- *Florence School of Regulation, Italy*  
**Dr. Yann Rebours**  
- *EDF R&D, France*  
**Prof. Yannick Phulpin**  
- *SUPELEC, France*  
**Dr. Ana Quelhas**  
- *EDP, Portugal*  
**Prof. Julio Usaola**  
- *University Carlos III, Spain*  
**Prof. Christoph Weber**  
- *University of Stuttgart, Germany*  
**Mr. Andrei Nekrassov**  
- *EDF, France*

## COURSE COORDINATOR

Yannick Phulpin

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**The number of attendees is limited.**