Uncertainty in Electricity Markets and System Operation

DTU Lyngby, Denmark, 4-8th July 2016

Programme description

Participants of the course will:

- Gain practical experience with stochastic, robust and interval optimization and decomposition techniques applied to energy systems.
- See relevant examples of these techniques used in cutting-edge research.
- Sharpen their peer review and feedback skills by reviewing other participants' work.

Students are expected to have experience with formulating and implementing optimization problems (e.g. in GAMS, Python or Matlab). Experience with power system operation and/or market clearing will make the sessions easier to follow.

Tutorials by:

- S. Jalal Kazempour (DTU)
- Hrvoje Pandžić (University of Zagreb)
- Pierre Pinson (DTU)
- Georg Pflug (University of Vienna)

Lectures by:

- Miguel Anjos (Polytechnique Montréal)
- José Manuel Arroyo (University of Castilla-La Mancha)
- Anthony Papavasiliou (Université Catholique de Louvain)
- Mohammad Shahidehpour (Illinois Institute of Technology)
- Juan-Miguel Morales (DTU)
- Salvador Pineda (University of Copenhagen)

Registration

Open to all: MSc students, Phd students and industry. Limited number of spaces available. Please register by sending an e-mail to **cee-summerschool@elektro.dtu.dk**. We will then send confirmation and payment information.

Application deadline: May 15th, 2016

Credits

We will issue EES-UETP-verified certificates for participation and workload of 2.5 ECTS credits.

Fees

EES-UETP members: EUR 500
Students: EUR 500
Non-students: EUR 850
Fees cover breakfast, lunch and social events (2x). Accommodation from Sunday 3rd of July to the morning of Sunday 10th of July is available for an additional fee of EUR 100.

Schedule

	8 - 12	13 - 17
Monday - Tuesday	Tutorials and exercises	
Wednesday - Thursday	Lectures	Project work
Friday	Project presentations and peer review	

Location and arrival

Lyngby is located 30 min north of Copenhagen, and easily accessible by public transport from Copenhagen Airport or Copenhagen Central Station.

Organizers

S. Jalal Kazempour (DTU)
Pierre Pinson (DTU)
Athanasios Papakonstantinou (DTU)
Tue V. Jensen (DTU)
Christos Ordoudis (DTU)
Lesia Mitridati (DTU)

For more information, contact us at: **cee-summerschool@elektro.dtu.dk**
or visit **http://bit.ly/DTUCEESummerschool**

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CITIES

EES-UETP
Electric Energy Systems
University Enterprise Training Partnership