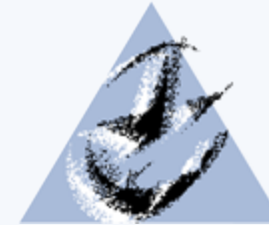


Eurandom

Workshop Centre in the area of Stochastics



Thursday November 29

09.00 – 09.30	Registration, coffee, opening		
09.30 – 10.15	Keynote	Zita Vale (Polytechnic Institute of Porto)	Intelligent management of distributed energy resources in the context of smart grids
10.15 – 10.30	Break		
10.30 – 11.15		Bart Homan/ Victor Reijnders (UT)	The Gridflex Heeten project: From simulation to field test
		Jorrit Nutma (TNO)	A field-tested architecture for an open energy market to enable cost-efficient congestion management
11.15 – 11.30	Break		
11.30 – 12.15		Martijn Schoot Uiterkamp (UT)	Fill-level prediction in online valley-filling algorithms for electric vehicle charging
		Eric Persoon (KIVI)	A model for the variable electricity from wind and PV panels and its application
12.15 – 13.30	Lunch		
13.30 – 15.00			
		P. Nguyen (TUE)	Introduction of DISPATCH & DISPATCH 2
		Shahab Shariat Torbaghan (VITO/EnergyVille)	Flexibility market framework
		Niels Blauwbroek (TUE/Stedin)	Grid operation with Demand Response
		Maryam Hajighasemi (UT)	Market optimization with optimal scheduling
		Dirk Kuiken (RUG)	Flexibility at Distribution Level and the Law
15.00 – 15.30	Break		

15.30 – 16.15	Keynote	Bert Claessens (REStore)	
16.15 – 16.30	Break		
16.30 – 17.30		Ioannis Lampropoulos (UU)	A system perspective to the deployment of flexibility through aggregator companies in the Netherlands
		Ni Wang (TUD)	Formulating coordination mechanisms in the investment optimization models of self-sufficient regional energy systems
18.00 -	Conference dinner		

Friday November 30

09.30 – 10.15		Simon Tindemans (TUD)	Flexible Fridge control architecture
		Fiona Sloothaak TUE)	A queueing network model for battery swapping
10.15 – 10.30	Break		
10.30 – 11.15	Keynote	Florian Dörfler (ETH)	Real-Time Feedback Optimization of Power Systems
11.15 – 11.30	Break		
11.30 – 12.15	Keynote	Johann Hurink (UT)	Decentralized Energy Management
12.15 – 13.15	Lunch		
13.15 – 14.30		Arjan v.d. Schaft (RUG)	The flow equations of electrical networks: from Kirchhoff to smart grids
		Svetlana Dubinkina (CWI)	Uncertainty quantification and energy systems
		Anne Markensteijn (TUD)	A graph-based framework for load flow analysis of multi-carrier energy systems
14.30 – 14.45	Break		
14.45 – 16.00		Koos vd Linden (TUD)	Toolbox for optimal trading in day ahead and reserve markets
		Jeroen Reinders (TUE)	Open problem: Analytical Probabilistic Load Flow Using Gaussian Mixture Models
		Stella Kapodistria (TUE)	ML interpretability
16.00 – 16.15	Break		
16.15 – 17.00	Keynote	Damien Ernst (ULiege)	Reinforcement learning, energy systems and deep neural nets
17.00 – 18.30	Reception		