

W12 ATEs WORKSHOP PROGRAM

09:00 10:20 First morning session

09:00-09:20 - Introduction

09:20 - 09:50

Meritxell Vinyals, Filippo Bistaffa, Alessandro Farinelli and Alex Rogers.

Stable coalition formation among energy consumers in the smart grid

09:50-10:20

Jun-Young Kwak, Pradeep Varakantham, Rajiv Maheswaran, Milind Tambe, Timothy Hayes, Wendy Wood and Burcinn Becerik-Gerber.

Towards Robust Multi-objective Optimization Under Model Uncertainty for Energy Conservation

10:20-10:50 Morning coffee break

10:50-12:20 Second morning session

10:50-11:20

Benoit Lacroix, Cédric Paulus and David Mercier.

Multi-Agent Control of Thermal Systems in Buildings

11:20-11:50

Yi-Wei Huang, Yi-Chun Chen, Wan-Yu Yu and Von-Wun Soo.

Stochastic Negotiation with Market Utility for Automated Power Restoration on a Smart Grid

11:50-12:20

Michele Ruta, Floriano Scioscia, Giuseppe Loseto and Eugenio Di Sciascio.

An Agent Framework for Knowledge-based Homes

12:20 to 13:00 Poster Presentation

13:00-14:00 Lunch Break

14:00-16:00 First afternoon session

14:00-14:30

Bora Akyol, Jereme Haack, Brandon Carpenter, Selim Ciraci, Maria Vlachopoulou and Cody Tews.

VOLTTRON: An Agent Execution Platform for the Electric Power System

14:30-15:00

Christian Johansson, Fredrik Wernstedt and Paul Davidsson.

Smart Heat Grid on an Intraday Power Market

15:00-15:30

Stijn Vandael, Tom Holvoet and Geert Deconinck

A decentralized approach for public fast charging of electric vehicles using delegate multi-agent systems

15:30-16:00

Fatimah Ishowo-Oloko, Perukrishnen Vytelingum, Nicholas R. Jennings and Iyad Rahwan.

A Storage Pricing Mechanism for Learning Agents in Masdar City Smart Grid

16:00-16:30 Afternoon Coffee Break

Second afternoon session

16:30-17:00

Mitchell Colby and Kagan Tumer.

Performance and Fiscal Analysis of Distributed Sensor Networks in a Power Plant

17:00-17:30

Thomas Konnerth, Joel Chinnow, Dennis Grunewald and Silvan Kaiser.

Integration of Simulations and MAS for Smart Grid Management Systems

17:30-18:00

Discussion and Closing Remarks