

EPSRC
Smart Management of Electric Vehicles
Invitation to Dissemination Workshop



Date: Friday 5th July 2013
Time: 12:30 – 17:00
Venue: The event will be held in Cardiff University School of Engineering, Queen's Buildings, The Parade, Cardiff, CF24 3AA. Room S/0.26 – 0.29
Purpose: To discuss issues surrounding Electric Vehicles integration and control in distribution networks.

Smart Management of Electric Vehicles is an EPSRC funded project that aims at exploring different research areas in the Electric Vehicle integration in distribution networks. The number of Electric Vehicles is expected to rise in the following years, and this will have a significant impact on the power system.

The project goals are:

1. To create an EV Load forecast model using artificial intelligence techniques.
2. To design a control algorithm for a smart management of EV battery charging.
3. To develop a Multi-Agent System application that will allow the industrial implementation of the above.
4. To evaluate the performance of the algorithms through case studies.

SCHEDULE

12:30 – 13:00 Coffee and Registration

13:00 – 13:30 Lunch

Session 1

13:30 – 13:50 EPSRC project Smart Management of Electric Vehicles

13:50 – 14:10 Electric Vehicles load forecasting

14:10 – 14:30 Control Strategies for large EV fleet management, Evangelos Karfopoulos, National Technical University of Athens, Greece

14:30 – 14:50 FastInCharge Project: The Concept and Challenges of the Inductive Charging for Plug-in Electric Vehicles, Ioannis Karakitsios, National Technical University of Athens, Greece

14:50 – 15:10 Discussions Session 1

15:10 – 15:30 Coffee Break

Session 2

15:30 – 15:50 Alternative business models for Electric Vehicles, Dr. Paul Nieuwenhuis

15:50 – 16:10 The Value of Balancing Services in Grid Connected Electric Vehicles

16:10 – 16:20 Discussions Session 2

16:20 – 16:30 Closing remarks

Two additional workshops will follow on November 2013 and March 2014, presenting different stages of the project progress.

Travel and accommodation (if required) will be covered by us.

To confirm your attendance please send an e-mail to

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We are looking forward to seeing you there!