









Electromobility: Challenging issues

Thursday 14th December 2017 | 8:15 - 18:30 University Paris-Dauphine, Amphitheatre Raymond Aron (2nd floor)

> Friday 15th December 2017 | 8:30 - 17:00 Essec Business School in La Defense

5th International Conference of the Armand Peugeot Chair Co-organized with the Governance and Regulation Chair and Vedecom Institute

http://chairgovreg.fondation-dauphine.fr

Program - 14th December - Salle R. Aron, Dauphine University

REGISTRATION
OPENING WORDS Eric Brousseau Governance and Regulation Chair Danièle Attias, Jan Lepoutre and Marc Petit Armand Peugeot Chair François Colet Vedecom
SESSION 1: INTERNATIONAL EXPERIENCES
Chairman: Bernard Sahut PSA Groupe • Perspectives on Norway's supercharged electric vehicle policy
 Erik Figenbaum Institute of Transport Economics, Norway Japan and the Future of Automobile Industry Tatsuya Suzuki Nagoya University, Japan
• EU deployment plans for EVs Christian Thiel Joint Research Centre, Italy
Coffee break
SESSION 2: EV ECOSYSTEMS ANALYSIS
 Chairman: Eric Brousseau Governance and Regulation Chair Towards a Theory of Business Ecosystems Michael Jacobides London Business School, UK
How firms manage bottlenecks in EV business ecosystems Yurong Chen Armand Peugeot Chair
Lunch Time
SESSION 3: FIELD EXPERIMENTS
 Chairman: Dominique Jamme Commission de Régulation de l'Energie Vehicle to Grids in the US: A review Willett Kempton Delaware University, USA
 The Parker Project in Denmark: First results Peter Bach Andersen DTU, Denmark
GridMotion project in France Paul Codani PSA Groupe, France
Coffee break
ROUNDTABLE: THE FUTURE(S) OF ELECTROMOBILITY Chairman: Eric Lalliard PSA • Introduction of the Roundtable: EV in France in 2035 Thomas Veyrenc RTE, France Panelists: • Christophe Bonnery Enedis • François Colet Vedecom • Michael Jacobides London Business School • Romain Beaumes Nexans

18:30 End of the conference

• Willett Kempton | Delaware university

Program - 15th December - Essec Business School, La Defense

8:30 - 9:00 **REGISTRATION**

9:00 - 10:30 **SESSIONS 1 & 2**

SESSION 1: FLEXIBILITY PROVISION

Chairman: Jan Lepoutre

• The value of flexibility in power markets

Speaker: P Vassilopoulos | Epexspot

Authors: Stéphane Goutte and Philippe Vassilopoulos

Market integration VS Temporal granularity: how to provide needed flexibility resources?

Speaker. Olivier Borne | CentraleSupélec and Armand Peugeot Chair

Authors: Olivier Borne, Marc Petit and Yannick Perez

The Value of Aggregators in Electricity Systems

Speaker: José Pablo Chaves-Ávila

Authors: Scott Burger, José Pablo Chaves-Ávila, Carlos Batlle, and Ignacio J. Pérez-Arriaga

SESSION 2: SUSTAINABILITY AND EVS

Chairman: Danielle Attias

• Hardware vs. software: How to make the energy system smarter?

Speaker: Julien Jacqmin

Authors: Axel Gautier and Julien Jacqmin

• The role of renewable energies in fuel life cycle assessment of electric vehicles in island regions

Speaker: Josue Barrera Santana | La Laguna University

Authors: Josue Barrera Santana, Gustavo A. Marrero Díaz, Francisco J. Ramos Real, Alfredo J. Ramírez Díaz | La Laguna University

Rethinking the Way to Decarbonize the Energy System: Prospective Study of Hydrogen Markets Attractiveness
Speaker: Olfa Tlili | CEA and CentraleSupélec

Authors: Olfa Tlili, Claude Heller, Jean André, Christine Mansilla, Camille Cany, Alain Le Digou, Yannick Perez

10:30 - 11:00 Coffee break

11:00 - 12:30 **SESSIONS 3 & 4**

SESSION 3: DISTRIBUTION NETWORKS AND EVS

Chairman: Marc Petit

• Integration of PV and EVs in unbalanced residential LV networks and implications for the smart grid and advanced metering infrastructure deployment

Speaker: Pablo Frías

Authors: Andrea Rodriguez-Calvo, Rafael Cossent, Pablo Frías

Quantifying flexibility in EV charging as DR potential: Analysis of two real-world data sets

Speaker. Chris Develder | Ghent University

Authors: Chris Develder, Nasrin Sadeghianpourhamami, Matthias Strobbe, and Nazir Refa

The BienVEnu project: issues and first lessons

Speaker and author. Marc Petit | CentraleSupélec and Armand Peugeot Chair

SESSION 4: REGULATION AND EVS

Chairman: Yannick Perez

• EVs and PV a review of models and results

Speaker and author. Quentin Hoarau | University Paris-Sud and Climate Economics Chair

• Future-proof tariff design: recovering sunk grid costs in a world where consumers are pushing back Speaker. Tim Schittekatte | University Paris-Sud and Florence School of Regulation

Authors: Tim Schittekatte, Ilan Momber and Leonardo Meeus

• Review of Lithium Ion Battery Degradation Mechanisms, Models, and their Economic Implications
Speaker and author. Andrew Thomson | University Paris-Sud and VEDECOM

12:30 - 13:30 Buffet lunch

13:30 - 17:00 BUS TRIP TO VISIT OF THE VEDECOM'S "EV LABORATORY EXPERIMENTS" IN SATORY.

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Patrons













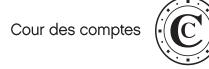




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