



The 10th edition of the annual International Conference on Mobility Challenges brings together people from academia and industry to propel us to the frontier of important challenges at the interface of automotive, energy and mobility industries. We welcome speakers from multiple backgrounds (technical as well as more in the business domain) and this mix has been proven fertile soil for insights and contacts, as well as new questions and ambitions. The first day consists of a series of keynotes and roundtables, whereas the second day is research oriented with paper presentations.

**Please check out this year's program below!**

We are looking forward to welcoming you on **December, 6 and 7 2023**

Conference location : Paris Dauphine-PSL University

Pl. du Maréchal de Lattre de Tassigny, 75016 Paris, Métro Porte Dauphine.

**Please register for the conference**

We'd like to know which part of the conference you will be attending and whether you will be staying for lunch.

## Wednesday 6th - Room A709

**9-9.15 : Open Address - Anna Creti** (Dauphine University & Climate Economics Chair)

**9.15-10.45 : Smart charging of electric Vehicles: Taking Stocks, looking ahead**

Chair : **Jan Lepoutre** (Essec Business School).

- *New North American Standards for AC Charging, including High-function V2G and Standardized Connectors* **Willett Kempton** (Delaware University, United States)
- *Standards for EV smart charging: A guide for local authorities* **Jaap Burger** (The Regulatory Assistance Project)
- *Smart Charging for all* **Frank Geerts** (Elaad)

**10.45-11.15 : Coffee Break**

**11.15 -12.45 : Affordability of mobility solutions**

Chair : **Maria Eugenia Sanin** (Paris-Saclay University).

- *Transport affordability : a primer* **Giulio Mattioli** (TU Dortmund University, Germany & CREDS, UK)
- *How do car drivers adjust their gasoline consumption with short run price changes?* **Odran Bonnet** (Insee) with Tristan Loisel (Insee), Lionel Wilner (Insee) & Étienne Fize (Conseil d'analyse économique)
- *Multiple solutions for a fair transition* **Marie Degremont** (La Fabrique de la cité)

**12.45-2.15 : Lunch**

**2.15-3.45 : Public Policies**

Chair : **Anna Creti** (Dauphine University, Climate Economics Chair).

- *Subsidizing EV over time : The role of direct substitutes* **Juan Pablo Montero** (Pontificia de Chile University & MIT-CEEPR) with Ariane Bousquet (Paris-Saclay University and Renault) & María-Eugenia Sanin (CEPS, Paris-Saclay University)
- *Critical minerals for the energy transition : value chain, risks and public policy* **Julien Hardelin** (CGDD, Ministère de la Transition écologique)
- *Pigouvian transport pricing in practice* **Hintermann Beat** (Basel University, Switzerland)

### 3.45-4.15 : Coffee Break

#### 4.15-6.15 : Table ronde sur le matériaux critique pour la mobilité soutenable

Animée par **Maria Eugenia Sanin** (Paris-Saclay University)

**Emmanuel Hache** (Auteur de *Metaux le nouvel or noir*, IFPEN)

**Jean Phillippe Hermine** (Directeur de l'Institut mobilité en transition, IDDRI ScPo)

**Guillaume Pitron** (Auteur de *La Guerre des Métaux Rares*, Journaliste)

TBC. **Bernard Sahut** (Saft)

**Jean-Denis Curt** (Expert leader in Strategic Raw Materials at Groupe Renault)

## Thursday 7th - Room A709 + A710

9.15-11

### Session 1 : EV and Isolated Systems

Chair : **Yannick Perez** (CentraleSupélec & Armand Peugeot Chair)

1. *Smart Markets for Real-Time Allocation of Multiproduct Resources : The Case of Shared Electric Vehicle* **Wolfgang Ketter** (Cologne University)
2. *An integrative strategy for the introduction of electric vehicles in the Canary Islands using the Q method* **Francisco J. Ramos Real** (La Laguna University)
3. *Business models for charging infrastructures : The case of Tenerife* **Diego Cerbreros** (CentraleSupélec and Stellatis)
4. *An analysis of the electric vehicle purchaser in an isolated system from an economic and psychosocial perspective* **G. Brito** (La Laguna University)

### Session 2 : Aviation and other transport policies

Chair : **Marc Baudry** (Paris Nanterre University & Climate Economics Chair)

1. *Do airlines adopt sustainable aviation fuels under modal competition ?* **Sai Bravo** (ENAC)
2. *Scenarios for e-fuels adoption* **Paul Bardon** (SciencesPo Paris)
3. *A Merit-Order for Hydrogen End-Uses in Mobility* **Albin Kasser** (Paris-Saclay University & Engie) & Maryam Sadighi (Paris-Saclay University & Engie)

## 11-11.30 Coffee Break

11.30-1.15

### Session 3 : The role of affordability in greening the fleet

Chair : **Juan-Pablo Montero** (Pontificia de Chile University & MIT-CEEPR)

1. *Understanding the dynamics of the used-car market in France* **Ariane Bousquet** (Paris-Saclay University & Renault)
2. *Scrapping Subsidies in France, a regression in discontinuities approach* **Quentin Hoarau** (Nanterre University)
3. *Going to work ? The Effect of Low Emission Zones* **Mohamed Bahlali** (Dauphine University & Climate Economics Chair)

### Session 4 : Alternative transport solutions

Chair : **Marc Petit** (CentraleSupélec)

1. *EV fleet power dispatch strategy for a smarter participation to FCR services* **Pierre Dumont** (CentraleSupélec & Stellantis)
2. *Optimal Pricing for Electric Vehicle sustainably ? A study on the charging preferences of electric vehicles users* **A. Dupont** (EDF)
3. *Am I really willing to use my electric vehicle sustainably ? A study on the charging preferences of electric vehicles users* **Francisco Bahamonde Birke** (Tilburg University)