

## Employment

### **MOBI - Electromobility research centre**

Vrije Universiteit Brussel  
Brussels, Belgium  
2 Jun 2020 → present

### **Doctoral scholarship**

Electrical Engineering and Power Electronics  
Vrije Universiteit Brussel  
Brussels, Belgium  
1 Jun 2020 → 31 May 2024

### **PhD, Faculty of Engineering**

Vrije Universiteit Brussel  
Brussels, Belgium  
16 Apr 2020 → present

## Research outputs

### **Life cycle assessment of future energy system flexibility – a methodological framework applied to Belgium**

Huber, D., Lavigne Philippot, M., Felice, A., Putratama, M. A., Coosemans, T. & Messagie, M., 9 May 2024, (Unpublished) p. 1-2. 2 p.

### **Representing decentralized generation and local energy use flexibility in an energy system optimization model**

Valkering, P., Moglianesi, A., Godon, L., Duerinck, J., Huber, D. & Mesquita Bordalo Costa, D., 15 Oct 2023, In: Applied Energy. 348, 0306-2619, 121508.

### **Environmental consequences of vehicle-to-grid for a future energy system: A case study of Eastern Denmark**

Huber, D., Lavigne Philippot, M. & Messagie, M., 8 Sep 2023, (Unpublished) p. 1-1. 1 p.

### **Decentralized energy in flexible energy system: Life cycle environmental impacts in Belgium**

Huber, D., Mesquita Bordalo Da Costa, D., Felice, A., Valkering, P., Coosemans, T. & Messagie, M., 15 Aug 2023, In: Science of the Total Environment. 886, 12 p., 163882.

### **Eco-Efficiency as a Decision Support Tool to Compare Renewable Energy Systems**

Huber, D., Martinez Alonso, A., Lavigne Philippot, M. & Messagie, M., 1 Jun 2023, In: Energies. 16, 11, p. 1-25 25 p., 4478.

### **Weighted eco-efficiency for energy systems: What can we learn from different stakeholder groups?**

Huber, D., Lavigne Philippot, M. & Messagie, M., 4 May 2023, (Unpublished) p. 1-2. 2 p.

### **Levelized cost of storage of second-life battery applications in Flanders, Belgium**

Huber, D., Lavigne Philippot, M., Mesquita Bordalo Da Costa, D., Smekens, J. & Messagie, M., 19 Sep 2022, p. 1-6. 6 p.

### **Environmental feasibility of second-life battery applications in Belgium**

Philippot, M., Huber, D., Costa, D., Smekens, J., Mierlo, J. V. & Messagie, M., 16 Sep 2022, (Unpublished) p. 1-6.

### **Vehicle to Grid Impacts on the Total Cost of Ownership for Electric Vehicle Drivers**

Huber, D., De Clerck, Q., De Cauwer, C., Sapountzoglou, N., Coosemans, T. & Messagie, M., Dec 2021, In: World Electric Vehicle Journal. 12, 4, p. 236 39 p., 236.

### **A review on reviews of energy storage systems: Do we know enough to make a sustainable decision?**

Huber, D., Ramirez Camargo, L., Coosemans, T. & Messagie, M., 2021, (Unpublished) p. 1-7. 7 p.

### **Vehicle to Grid Impacts on the Total Cost of Ownership for Electric Vehicle Drivers**

Huber, D., De Clerck, Q., De Cauwer, C., Sapountzoglou, N., Coosemans, T. & Messagie, M., 2021, (Unpublished) p. 1-12. 12 p.

## **Activities**

### **Life cycle assessment of future energy system flexibility – a methodological framework applied to Belgium**

Dominik Huber (Speaker), Maeva Lavigne Philippot (Contributor), Alex Felice (Contributor), Muhammad Andy Putratama (Contributor), Thierry Coosemans (Contributor) & Maarten Messagie (Contributor)

5 May 2024 → 9 May 2024

### **Environmental consequences of vehicle-to-grid for a future energy system: A case study of Eastern Denmark**

Dominik Huber (Speaker), Maeva Lavigne Philippot (Contributor) & Maarten Messagie (Contributor)

6 Sep 2023 → 8 Sep 2023

### **Weighted eco-efficiency for energy systems: What can we learn from different stakeholder groups?**

Dominik Huber (Speaker), Maeva Lavigne Philippot (Contributor) & Maarten Messagie (Contributor)

30 Apr 2023 → 4 May 2023

### **Environmental feasibility of second-life battery applications in Belgium**

Dominik Huber (Speaker), Maeva Lavigne Philippot (Contributor), Daniele Mesquita Bordalo Da Costa (Contributor), Jelle Smekens (Contributor), Joeri Van Mierlo (Contributor) & Maarten Messagie (Contributor)

16 Sep 2022 → 19 Sep 2022

### **Levelized cost of storage of second-life battery applications in Flanders, Belgium**

Dominik Huber (Speaker), Maeva Lavigne Philippot (Contributor), Daniele Mesquita Bordalo Da Costa (Contributor), Jelle Smekens (Contributor) & Maarten Messagie (Contributor)

16 Sep 2022 → 19 Sep 2022

### **Vehicle to Grid Impacts on the Total Cost of Ownership for Electric Vehicle Drivers**

Dominik Huber (Speaker), Quentin De Clerck (Contributor), Cedric De Cauwer (Contributor), Nikolaos Sapountzoglou (Contributor), Thierry Coosemans (Contributor) & Maarten Messagie (Contributor)

25 Jun 2021 → 28 Jun 2021

### **A review on reviews of energy storage systems: Do we know enough to make a sustainable decision?**

Dominik Huber (Speaker), Luis Ramirez Camargo (Contributor), Thierry Coosemans (Contributor) & Maarten Messagie (Contributor)

6 Jun 2021 → 9 Jun 2021

## **Prizes**

### **BEST ORAL PRESENTATION AWARD**

Huber, Dominik (Recipient), 19 Sep 2022

## **Awards**

## **Projects**

### **EUAR102: WIMBY : Wind In My Backyard: Using holistic modelling tools to advance social awareness and engagement on large wind power installations in the EU**

Coosemans, T., Messagie, M., Ramirez Camargo, L., Mesquita Bordalo Da Costa, D., Lode, M. L., Heuninckx, S., Ruddick, J. J., Huber, D. & Vranckx, A.

1/01/23 → 31/12/25

## Datasets

### **Eco-efficiency as a decision support tool to compare renewable energy systems - supporting material**

Huber, D. (Creator), Martinez Alonso, A. (Creator), Lavigne Philippot, M. (Creator) & Messagie, M. (Creator), Zenodo, 18 May 2023

DOI: 10.5281/zenodo.7947791, <https://doi.org/10.5281/zenodo.7947791>