

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Huber, D., Lavigne Philippot, M., Felice, A., Putratama, M. A., Coosemans, T. & Messagie, M., 9 May 2024, (Unpublished) p. 1-2. 2 p.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Huber, D., Lavigne Philippot, M. & Messagie, M., 8 Sep 2023, (Unpublished) p. 1-1. 1 p.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Huber, D., Lavigne Philippot, M. & Messagie, M., 4 May 2023, (Unpublished) p. 1-2. 2 p.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Philippot, M., Huber, D., Costa, D., Smekens, J., Mierlo, J. V. & Messagie, M., 16 Sep 2022, (Unpublished) p. 1-6.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>