

THE CONFERENCE CHAIRS



M. Sc. Christopher Hecht
Grid Integration and Storage System Analysis
RWTH Aachen University

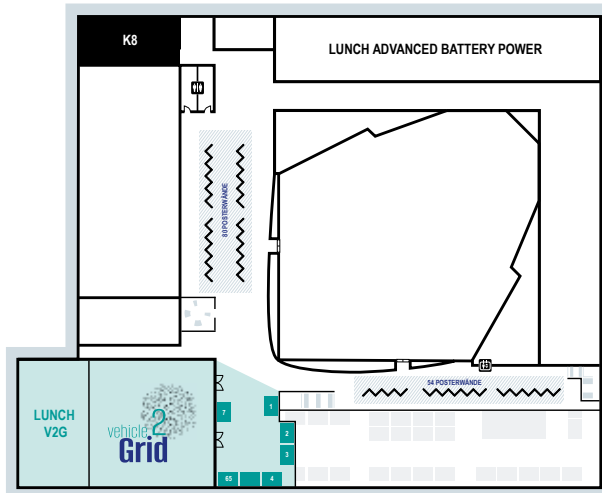


M. Sc. Jan Figgener
Head of Department Grid Integration and Storage System Analysis
RWTH Aachen University

EXHIBITION ROOM

(First floor, as part of the Advanced Battery Power Conference)

The trade exhibition of the Vehicle-2-Grid event forms a centerpiece of the conference. On the upper floor of the Eurogress Aachen, participants can find out about products and developments related to the topic and network directly with exhibitors.



The exhibition is located in the context of the Advanced Battery Power Conference. The exhibition areas of both conferences are closely linked visually and organizationally. The accompanying exhibition of the Advanced Battery Power Conference is the communicative center of the conference and a marketplace for innovative products and future business.

VEHICLE-2-GRID APRIL 27-28, 2023

PRICES & CONDITIONS

Face-to-face event

Regular price **1.365,00 Euro**
Early bird **1.095,00 Euro** (until 31.01.2023)
University employee (also employed and graduate students) **585,00 Euro**
Student (without degree, against proof) **285,00 Euro**

Online

Regular price **1.095,00 Euro**
University employee (also employed and graduate students) **495,00 Euro**
Student (without degree, against proof) **195,00 Euro**



VENUE

Eurogress Aachen
Monheimsallee 48
52062 Aachen
Germany



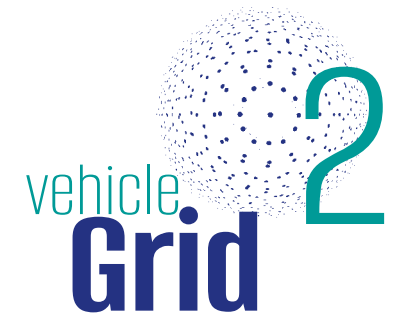
Haus der Technik e. V.
Hollestraße 1
45127 Essen
Germany
Phone +49 (0)201 1803-1
Fax +49 (0)201 1803-269
Email hdt@hdt.de

Registrations at:



www.hdt.de/anmeldung

hdt.de/VA23-00669



Conference in the framework
of the Battery Conference 2023

**APRIL 27-28, 2023
IN AACHEN, GERMANY**

VEHICLE-TO-GRID, VEHICLE-TO-HOME AND SMART CHARGING

Technical and systemic perspectives
from industry and business

vehicle-2-grid.eu

FB010/40625



VEHICLE-2-GRID CONFERENCE

Electric car batteries can do more than just move cars! From an economic and ecological perspective, it makes sense to use electric vehicle batteries for grid stabilization in the future. By 2030, there could already be a controllable potential of up to one hundred gigawatts, which is far more than the output of all current storage types combined.

At Vehicle-To-Grid, discuss with experts from business, the public and science how this potential can be realized in your organization or field of activity! The focus will be on implementation possibilities within the next few years.

When visiting the conference, you can also attend keynote lectures free of charge as well as the complete poster contributions and the exhibition of the Advanced Battery Power 2023 taking place in parallel.

MISSION

The event will provide information on the current state of the art in business, science and technology concerning to vehicle-to-grid, vehicle-to-home and smart charging. Through specific practical examples, potential analyses and an overview of the foreseeable developments, participants can check which concrete steps are necessary for the near future in the respective companies and organisations to take on a pioneering role in electromobility. The exchange with specialists and experts from different areas creates a broad knowledge in the field of V2X.

PARTICIPANT GROUP

The event is aimed at people in companies, associations, municipal companies, politics and research institutions who are involved in the development of charging infrastructure and vehicle components and systems. Examples of such organisations are vehicle manufacturers, manufacturers of charging infrastructure (components), charging infrastructure operators, energy supply companies, municipal utilities, research institutions, ministries, and fleet operators.



THE AGENDA



DAY 1

10:00 h Welcome Christopher Hecht und Jan Figgenger / RWTH Aachen

SESSION PRACTICAL PROJECTS



Host: Dr. Sylvie Römer / Horváth

- 10:20 h Introduction Dr. Sylvie Römer / Horváth
- 10:25 h Sander de Geus / TotalEnergies
Transforming the vehicle fleet towards grid positive vehicle-to-X
- 10:45 h Ilona Friesen / TÜV Rheinland Consulting GmbH
Creating consensus in the industry on vehicle-to-grid and smart charging
- 11:05 h Esben Hvid Jørgensen / Clever
Providing ancillary services by combining EV wallboxes at home with stationary batteries
- 11:25 h Quentin Maitre / DREEV
Knowledge Sharing on the EVWE European V2G project
- 11:45 h Questions & Answers
- 12:05 h **Break**

SESSION CHARGING INFRASTRUCTURE



Host: Sebastian Lahmann / NOW

- 13:25 h Introduction Sebastian Lahmann, NOW
- 13:30 h Marc Mültin / Switch
V2G clarity: communication protocols for electric vehicle charging
- 13:50 h Jürgen Werneke / Hubeject
Creating a seamless electric vehicle charging experience through roaming networks
- 14:10 h Stephan Hell / Kostal
Experiences from designing and operating a bidirectional wallbox
- 14:30 h Christopher Hecht / RWTH Aachen
Public charging infrastructure usage in Germany
- 14:50 h Questions & Answers
- 15:10 h **Break and poster discussion**

SESSION VEHICLES



Host: Dr. Stefanie Wolff / NOW

- 15:50 h Introduction Dr. Stefanie Wolff / NOW
- 15:55 h Michael Keller / VW

- 16:15 h Experiences from mass-deploying bidirectional charging
Andreas Kammel / Traton
When to charge (and discharge?) heavy duty trucks
- 16:35 h Mattia Marinelli / DTU – Technical University of Denmark
Use cases and battery aging in the context of V2G
- 16:55 h Sebastian Bösche / Umlaut
A current assessment of the market value of V2X use cases up to 2025 and beyond
- 17:15 h Questions & Answers
- 19:00 h **Evening event with the participants of the Advanced Battery Power conference**



DAY 2

10:00 h Welcome Christopher Hecht / RWTH Aachen

SESSION SYSTEM INTEGRATION



Host: Prof. Dr. rer. nat. Holger Hesse / Hochschule Kempten

- 10:10 h Introduction Prof. Dr. rer. nat. Holger Hesse / Hochschule Kempten
- 10:15 h Lennart Hoffmann / Next Kraftwerke
V2G in practice – examples from the German control reserve and intraday markets
- 10:35 h Dennis Schulmeyer / Lade.de
Regenerative and Resilient – The Power Grid of the Future with V2G
- 10:55 h Michael Schreiber / The Mobility House
Flexibility marketing of electric vehicles on energy markets
- 11:15 h Jorg van Heesbeen / Jedlix
Learnings from VIG smart charging at scale. How value can be stacked and combined and how this translates to V2G
- 11:35 h Questions & Answers
- 11:55 h **Break**

SESSION GRIDS



Host: Jan Figgenger / RWTH Aachen

- 12:55 h Introduction Jan Figgenger / RWTH Aachen
- 13:00 h Andreas Ulbig / RWTH Aachen
Impact of V2G on the energy grid
- 13:20 h Norela Constantinescu / ENTSOE
The big picture: V2G in our European energy system
- 13:40 h Markus Wunsch / NetzeBW
Impact of smart charging and vehicle-to-X on the grid extension needs
- 14:00 h Questions & Answers
- 14:40 h **Break and poster discussion**

Visit the battery conference afterwards (www.battery-power.eu)