



H O C H  
S C H U L E  
T R I E R



August 2022



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## Battery Electric Drive Trucks and the Commercial Vehicle Sector

### VEHICLE\* closing event 16th September 2022

- 09:00** Coffee & Registration
- 09:30** **Conference Opening** Prof. Dr. Henrik te Heesen, Vice President, Trier University of Applied Sciences
- 09:40 – 10:10** **Building Tomorrow – An Electrified Journey**, Dr. Michael Schwall (Volvo Construction Equipment Germany GmbH)
- 10:10 – 10:25** **Introducing VEHICLE – a project to optimize energy storage systems of electric vehicles**, Dr. Tedjani Mesbahi, Inès Jorge (INSA Strasbourg)
- 10:25 – 10:50** **Smart Energy management systems for HESS & control of a synchronous reluctance machine**, Dr. Tedjani Mesbahi (INSA Strasbourg)
- 10:50 – 11:15** Coffee Break & VEHICLE Research Posters
- 11:15 – 11:40** **Model-based energy management system for hybrid energy storage systems**, Prof. Dr. Reiner Kriesten, M.Eng. Tuyen Nguyen (Hochschule Karlsruhe)
- 11:40 – 12:05** **An experimental approach to the ageing of NMC-based Lithium-Ion batteries**, B.Eng. Pascal Koch (Umwelt-Campus Birkenfeld, Trier University of Applied Sciences)
- 12:05 – 12:35** **Der eEconic als optimaler Einsatzfall für den E-Antrieb**, Dipl. Ing. (FH) Bernd Reinauer (Daimler Truck AG)
- 12:35 – 13:00** Final Discussion, followed by informal get-together
- Registration:** free of charge  
Please send name and affiliation/company to g.hoogers@umwelt-campus.de, or register on the day.
- Venue:** Umwelt-Campus Birkenfeld, Campusallee, 55768 Hoppstädten-Weiersbach, Germany, lecture room ZN005



Source: Volvo Construction Equipment Germany



Source: Daimler Truck

\*Advanced li-ion battery/supercapacitor hybrid energy storage system with synchronous reluctance machine for electric vehicle applications