

# E-Mobility Day 2021

Uppsala Concert & Congress Hall

27 October 09:00-15:45

## Program

**08:00 Registration**  
– coffee and sandwich

**08:30 Welcome**

**08:45 Theme 5**

- High Power Charging: When, where, and how? **Karin Thomas, UU**
- Electric vehicle charging strategies and grid management, **Maria Taljegård and Filip Johnsson, Chalmers**

**09:45 Coffee break**

**10:15 Theme 4**

- Towards electrification of freight transports and Prerequisites, **Henrik Johansson**
- Metal Requirements and Environmental Impacts of the Electromobility Transition, **Sesha Raghavan**
- Life Cycle Assessment of Large-Scale Lithium-Ion Battery Production and Recycling, **Mudit Chordia**

**11:15 Theme 3**

- Fuel Cell Performance Prediction, **Rakel Wreland-Lindström, KTH**
- Real-time observation of side-reactions: The lifetime characteristics of Li-ion cells, **Erik Berg, UU**

**12:15 Lunch**

**13:30 Theme 2**

- Online health diagnostics of inverters for commercial vehicle drive systems, **Bhanu Singh**
- Design of rare earth element free motors for electromobility, **Sandra Eriksson**
- Testing, Analysis and Design of Axial Flux Motors for Vehicle, **Sonja Lundmark**

**14:30 Theme 1**

- Modeling, System Analysis, and Control of Hybrid Electric Vehicles with Aftertreatment Systems, **Lars Eriksson, LiU**
- Road resistance estimation for improved range estimation, **Mikael Askerdal, Chalmers**

**15:30 Closing remarks**