

EMOBILITY DAY 2021

PROGRAM

WHEN:

27 OCTOBER 08:00-15:45

WHERE:

**UPPSALA CONCERT &
CONGRESS HALL**

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
- *Environmental Assessment of Electromobility Charging Systems*, Seshadri Srinivasa Raghavan
- *Anticipating metal scarcity challenges in mobility transitions*, Seshadri Srinivasa 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 After-treatment Systems* Lars Eriksson, LiU
- *Road resistance estimation for improved range estimation* Mikael Askerdal, Chalmers

15:30 CLOSING REMARKS