

PROGRAM

E-mobility 2024 Day

27 AUGUST

12:00-13:00

LUNCH

13:00-13:20

Welcome
KLAAS BURGDORF - SWEDISH ENERGY AGENCY

13:20-14:35

Theme 3, Energy Storage
AAMER SIDDIQUI, AGNES-MATILDA MATTSON & GIAN MARCO TRIPPETTA
Heterogeneous Aging in Large Intercalation Batteries
GODWIN K. PEPRAH
Thermal Modelling and Fault Prognosis for Li-ion Battery Systems
YIZHOU ZHANG
Learning battery health and degradation from real-world vehicle data
BJÖRN ERIKSSON
Evaluation and Optimization of Materials for ITPEMFC

14:35-15:05

COFFEE BREAK

15:05-16:20

Theme 1, Intelligent Vehicles & Systems
JONAS FREDRIKSSON
On Range Estimation Under Uncertainties
LORENZO MONTALTO
Charging and Trip Planning of Electric Vehicles
MAX JOHANSSON
Thermal Systems and Management of Electrified Vehicles

16:20-17:00

Theme 5, Vehicle-Grid Interaction
ALICE JANSSON
The ACTUAL Project: Modelling Charging for Grid Impact Analysis of 100 % Electrified Vehicle Fleet

18:00-18:30

Mingel

18:30-21:00

Dinner

28 AUGUST

08:30-08:35

GOOD MORNING

08:35-09:15

Theme 5, Vehicle-Grid Interaction
JONAS HELLGREN
Cost-Benefit Analysis of V2G Technology
VALERIA CASTELLUCCI
Dansmästaren Project: A Status Update

09:15-10:30

Theme 4, Environment & Society
KRISTINA HOLMGREN
Resource-Effective Batteries and Charging for BEVs
JEANETTE ANDERSSON
Data REgulation And electroMobility (DREAM)
MATS GUSTAVSSON
Tyre Wear and Particle Emissions of Electric Vehicles – A Review of Test Methods and Influencing Parameters
MENG-JU HSIEH
Induction Machine Model and Design for Reducing Environmental Impact

10:30-11:00

COFFEE BREAK

11:00-12:15

Theme 2, Electric Drives & Charging
SONJA LUNDMARK
Testing, Analysis and Design of Axial Flux Motors for Vehicle Applications
LISELOTT ERICSSON
Electric Motor + Hydraulic Pump Fusion for Electrification
SANDRA ERIKSSON
Design of Rare Earth Element Free Motors for Electromobility

12:15-12:20

Closing remarks

12:20-13:20

LUNCH