

PROGRAM

E-mobility 2024 Day

27 AUGUST

12:00-13:00

LUNCH

13:00-13:20

**Welcome – LINDA OLOFSSON
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 Control of 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
MENG-JU HSIEH
*Induction Machine Model and Design for
Reducing Environmental Impact*
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*
KRISTINA HOLMGREN
*Resource-Effective Batteries and Charging
for BEVs*

10:30-11:00

COFFEE BREAK

11:00-12:15

Theme 2, Electric Drives & Charging
VINEETHA PUTTARAJ
*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 – ELNA HOLMBERG

12:20-13:20

LUNCH