



ECV national seminar Wed 24.9.2014

Aalto University, Saha, Konemiehentie 1 (Otaniemi) klo 8:30 – 15:00

ECV 2014 – 2015

From research and development to new businesses in electric commercial vehicles

“First results and getting to know each other”

Programme

Chairman and moderator: Markku Antikainen, EVE

- 8:00 – 8:30 Enrolment and coffee
- 8:30 – 8:45 Opening and themes of the day, VTT (Mikko Pihlatie) & Tekes (Martti Korhio)
- 8:45 – 10:00 Research session 1: “energy storage and ECV components”
- 8:45 – 9:00 Virtual battery – simulation tools for engineering (Ari Hentunen, Aalto)
 - 9:00 – 9:20 Current trends in battery technology (Samu Kukkonen, VTT)
 - 9:20 – 9:35 Electromechanical steering on frame-steered machine (Panu Sainio, Aalto)
 - 9:35 – 9:50 Q&A for session
- 9:50 – 10:15 Break (coffee refill, networking and posters)
- 10:15 – 12:00 Industrial session: “From components to vehicles/machines to systems”
- industrial project presentations (including Q&A)
 - 10:15 – 10:40 eBusSystem (Veikko Karvonen, VTT)
 - 10:40 – 11:05 Linkker Oy (Otto Pietikäinen)
 - 11:05 – 11:30 ABB heavy drive (Teemu Ronkainen)
 - 11:30 – 11:55 Cargotec – Hybrid Straddle Carrier (Juho Leskinen)
- 12 – 13 Light lunch and poster session
- 13:00 – 14:30 Research session 2: “Vehicles, machines, systems and modelling”
- 13:00 – 13:20 Future hybrid work machine components and tools for developers (Lasse Laurila, LUT)
 - 13:20 – 13:40 Modelling energy management in eBus (Teemu Halmeaho, VTT)
 - 13:40 – 14:00 eBus fleet and lab tests of commercial buses – first results (Ari-Pekka Pellikka, VTT)
 - 14:00 – 14:20 Power system and eMobility interaction (Pertti Järventausta, TUT)
 - 14:20 – 14:40 Q&A for session
- 14:40 – 15 Summary and wrap-up (Mikko Pihlatie)
- 15:15 – 16:30 ECV-Steering group meeting for steering group members