

Conference

Contact



Conference Electro Mobility: How Efficient is Electro Mobility?

June 4 – 5, 2015, Delmenhorst (Germany)

Register now!!!

Organizers:

Alexandra Pehlken, Andreas Günther
Carl von Ossietzky University Oldenburg, Germany
Steven B. Young
University of Waterloo, Canada
Chen Ming
Shanghai Jiao Tong University, PR China
Wolfgang Stenzel
Hanse-Wissenschaftskolleg, Germany
Alexander Dyck
NEXT ENERGY, Germany

promoted by

DAAD

co-funded by



Carl von Ossietzky University of Oldenburg

Dr.-Ing. Alexandra Pehlken &
Julia Rudman
e-mobility@ppre.de
Tel. +49-(0)441-798-3008



This conference is promoted by the
German Academic Exchange Service (DAAD)
and co-funded by the
Federal Ministry of Education and Research (BMBF)
and Stiftung Innovationspool (Oldenburg)

<http://www.phd-renewable-energy.de/en/events/e-mobility-2015/>

Sources: Cover: © [B. Wylezich] / [Fotolia.com]; Conference: © [Petair] / [Fotolia.com]; Contact: © NEXT ENERGY; HWK: © Hanse-Wissenschaftskolleg

How efficient is Electro Mobility?

- ✓ Industrial and academic collaboration
- ✓ Presentations on state-of-the-art topics in electro mobility

**Hanse-Wissenschaftskolleg (HWK) &
Carl von Ossietzky University of Oldenburg**

June 4-5, 2015

Lehmkuhlenbusch 4
27753 Delmenhorst (Germany)

Conference Fee: 50,00 EUR

Registration will close when all slots are filled, but at the latest on May 15, 2015.

The main scientific topics are:

- Energy and material efficiency
- Integration of IT systems
- Smart mobility
- Fuel cells
- End-of-life management

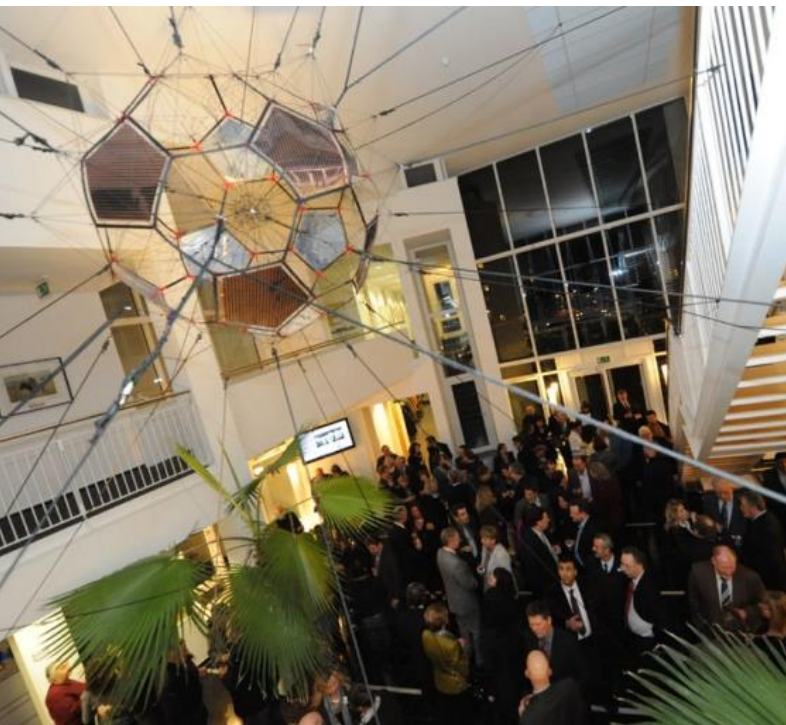


About the HWK

The Hanse-Wissenschaftskolleg (HWK) is a foundation in the city of Delmenhorst. Hosting the electro-mobility conference, the HWK is an interdisciplinary collaboration of internationally renowned scientists and young investigators by offering guest scholars the opportunity to concentrate on research projects for a certain space of time without the distractions of their regular academic responsibilities.

To find out more, please visit

www.h-w-k.de



Conference Program - 'How efficient is Electro Mobility'

Thursday, June 4, 2015

10:30 Arrivals and Welcome Coffee

11:00 Opening and Introduction

Session: Materials Perspective

11:20 Cascade Use & the Correlation to Efficiency
(Alexandra Pehlken, CvO University, Germany /
Steven Young, University of Waterloo, Canada)

11:50 Criticality of Resources
(Susanne Rotter, TU Berlin, Germany)

12:20 Are metal resources under severe pressure from e-mobility?
(Saskia Ziemann, Marcel Weil, KIT ITAS Karlsruhe, Germany)

12:50 Lunch

Session: Mobility

14:00 Sustainable Mobility within Schaufenster Electro Mobility
(Benjamin Wagner vom Berg, CvO University, Germany)

14:30 The South African Way
(Laurence Geyer, NMMU, South Africa)

15:00 Management of Battery-Electric Transport Vehicles in Maritime Container Terminals
(Serge Runge, Energy Research Center of Lower Saxony, Germany)

15:30 Coffee Break

16:00 Dismantling System of Lithium Ion Batteries
(Nirugaa Natkunarajah, U Siegen, Germany)

16:30 Batteries – The Next Generation
(Julian Schwenzel, Fraunhofer IFAM, Germany)

17:00 Battery and Fuel Cells: Future Car Concepts
(Roswitha Zeis, Helmholtz Institute Ulm, Germany)

Evening Dinner

Friday, June 5, 2015

Session: Fuel Cells and System Integration

09:00 Fuel Cells in Automotive Applications
(Pang-Chieh Sui, U Victoria, Canada)

09:30 Fuel Cells and System Integration. (Corinna Harms, NEXT ENERGY, Germany)

10:00 Hydrogen Production – Needs and Challenges
(Aimy Bazylak, University of Toronto, Canada)

10:30 Coffee Break

11:10 Integration of Large Fleets of PHEVs into Smart Grids
(Curran Crawford, U Victoria, Canada)

11:40 New concepts for fuel cell membranes
(Michael Wark, CvO University, Germany)

12:10 Lunch Break

Session: (Re-)Manufacturing

13:20 Addressing Key Question “How efficient is Electro Mobility” and Further Discussion
(Eckhard Helmers, University of Applied Science Trier, Germany)

14:00 E-Mobility and Closed-Loop Recycling (Patricia Egede, Christoph Hermann, TU Braunschweig, Germany)

14:30 Remanufacturing in China
(Chen Ming, SJTU Shanghai, China)

15:00 Coffee Break

15:30 Potential Market and Strategies for Part Reuse and Material Recovery of New Energy Vehicles in China
(Jinsheng Xiao, Wuhan, China)

16:00 Activities in the Metropolitan Region (Matthias Brucke, Clustermanager Automotive Nordwest e.V. Bremen)

16:30 Wrap up and Closing remarks

17:00 Departures

Excursion on Wednesday, June 3, 2015: Possibility to attend an excursion to Mercedes and Veniox Plant in Bremen