

Application

HOW TO APPLY?

Send your application before April 13 2015
and follow the link for the application form:

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

Participants are requested to present their
research with a poster (A1).

A 100 EUR fee is applicable and is to be paid
in cash at the venue.

WHO SHOULD APPLY?

The summer school is aimed at young scien-
tists who are doing research in any aspect of
electro mobility (mainly at doctorate level,
but also young post-docs and advanced mas-
ter students). Funding opportunities are
available for international doctoral students.



Summer School

HOW EFFICIENT IS ELECTRO MOBILITY?

**Hanse-WissenschaftsKolleg (HWK) &
University of Oldenburg**

June 1-5, 2015

Lehmkuhlenbusch 4

27753 Delmenhorst (Germany)

- Extensive industry exposure
- Lectures on state-of-the-art topics in
electro mobility.
- Field trips
- Participation in experts workshop

The main scientific topics are:

- Energy and material efficiency
- Integration of IT systems
- Smart mobility
- Business models and challenges
- End-of-life management

Contact

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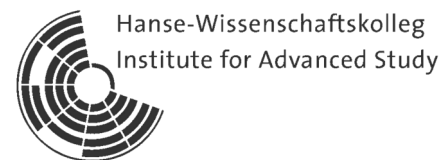
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Summer School Electro Mobility:

How Efficient is Electro Mobility?

June 1 – 5, 2015, Delmenhorst (Germany)

SIGN UP NOW!!!

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DAAD

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Summer School and Expert Workshop on Electro Mobility: 'How efficient is Electro Mobility'

Monday, June 1, 2015 - Summer School

- 10:00 Arrival and Welcome Coffee**
- 10:30 Opening and introduction to the conference (the organizers)
- 11:15 Schaufenster Electro Mobility (N.N., Oldenburg University)
- 12:00 Integration of Electric Cars with Smart Buildings (Wedigo von Wedel, NEXT ENERGY, Oldenburg)
- 12:45 Lunch**
- 14:00 World Café
- 15:30 Coffee Break and Poster Session**
- 16:00 Sustainable Mobility (N.N., Oldenburg University)
- 16:45 Electro Mobility in Future Smart Grids (Sebastian Lehnhoff, Offis e.V.)
- 17:30 *Discussion and wrap-up of Day 1*
- 18:00 Dinner at HWK**

Tuesday, June 2, 2015 - Summer School

- 09:00 Critical Metals in the Automotive Industry (Alexandra Pehlken, Oldenburg)
- 09:45 Potential of Electronics and their Material Value in Cars (Kerstin Kuchta, Hamburg)
- 10:30 Coffee Break**
- 11:00 Sustainable Engineering (Tina Dettmer, Braunschweig) tbc
- 11:45 Automatisation in Car Recycling (Nirugaa Natkunarajah, Siegen)
- 12:30 *Discussion*
- 12:15 Lunch Break**
- 13:45 *Poster Session*
- 15:00 Coffee Break**
- 15:30 Automotive Batteries - Basics to Know (Michael Wark, Oldenburg)
- 16:15 Material Flows in Batteries (Paul Mähltitz, Berlin)
- 17:00 *Discussion and wrap-up of Day 2*
- 17:30 Dinner at HWK**

Wednesday, June 3, 2015 - Excursion

- Morning *Plant Visit: Mercedes-Benz in Bremen*
- Afternoon *Industrial Visit - Recycling (Veniox)*

Thursday, June 4, 2015 - Experts Workshop

- 10:30 Arrivals and Welcome Coffee**
- 11:00 Opening and Introduction
- Session: Materials Perspective**
- 11:20 Cascade Use & the Correlation to Efficiency (Alexandra Pehlken, Oldenburg University)
- 11:50 Criticality of resources related to mobility (Steven Young, Waterloo, Canada)
- 12:20 How does Recycling Close the Loop? (N.N.)
- 12:50 Lunch**
- Session: Mobility**
- 14:00 Sustainable Mobility within Schaufenster Electro Mobility (Benjamin Wagner vom Berg, Oldenburg University)
- 14:30 The South African Way (NN, South Africa) tbc
- 15:00 Battery Driven Container Carriers (Serge Runge, Offis e.V.) tbc
- 15:30 Coffee Break**
- 16:00 Dismantling System of Lithium Ion Batteries (Nirugaa Natkunarajah, Siegen)
- 16:30 Batteries – The Next Generation (Julian Schwenzel, Fraunhofer IFAM, Bremen)
- 17:00 State of the Art in Battery Research (Michael Wark, Oldenburg University)

Evening Dinner

Friday, June 5, 2015 - Experts Workshop

- Session: Fuel Cells and System Integration**
- 09:00 Fuel Cells in Automotive Applications (Pang-Chieh Sui, University of Victoria, Canada)
- 09:30 Challenges in System integration. (N.N)
- 10:00 Integration of Large Fleets of PHEVs into Smart Grids (Curran Crawford, University of Victoria, Canada)
- 10:30 Coffee Break**
- 11:10 LCA results of electrification of ICE cars (Eckard Helmers, University of Applied Sciences Trier, Birkenfeld)
- 11:40 **Key Note Lecture (NN)**
- 12:30 Lunch Break**
- Session: (Re-)Manufacturing**
- 13:30 Processing and Automation (Christoph Hermann, Tina Dettmer, Braunschweig) tbc
- 14:00 Sustainable Manufacturing / Design for Environment (Bernard Hon, University of Liverpool, UK)
- 14:30 Remanufacturing in China (Chen Ming, SJTU, China)
- 15:00 Coffee Break**
- 15:30 Potential Market and Strategies for Material Recovery and Part remanufacturing of New Energy Vehicles in China (Jinsheng Xiao, China)
- 16:00 Activities in the Metropolitan Region (Matthias Brucke, Clustermanager Automotive Nordwest e.V.Bremen)
- 16:30 Departures**