Preliminary Program
Conference
Electro Mobility: Assessing the Shift from Energy Efficiency to Material Efficiency in the Automotive Life Cycle
Delmenhorst, June 16 – 18, 2014

Organizers:
Alexandra Pehlken
Carl von Ossietzky University Oldenburg
Steven B. Young
University of Waterloo, Canada
Wolfgang Stenzel
Hanse-Wissenschaftskolleg

Venue:
Hanse-Wissenschaftskolleg
Institute for Advanced Study
Lehmkuhlenbusch 4
27753 Delmenhorst
Germany
www.h-w-k.de
Monday, June 16, 2014

14:45  Arrivals and welcome coffee
15:30  Opening and introduction to the conference (HWK, Alexandra Pehlken and Steven Young)
16:00  Sustainable Mobility (Frank Köster, DLR, Germany)
16:20  Green Design (Zhonkai Li, China University of Mining and Technology, China)
16:50  Dismantling System of Lithium Ion Batteries (Nirugaa Natkunarajah, U Siegen)
17:10  Recycling and Remanufacturing of Li-ion Batteries (Duncan Kushnir, Chalmers TU, Sweden)

Evening:  Soccer World Championship: Germany vs. Portugal (details to be confirmed)

Tuesday, June 17, 2014

9:00   Critical Metals in the Automotive Industry (Patrick Wäger, Rolf Widmer, Eliette Restrepo Gomez, EMPA Switzerland)
9:20   Remanufacturing (Chen Ming, Shanghai Jiao Tong University, China)
9:40   Sustainable Manufacturing / Design for Environment (Bernard Hon, University of Liverpool, UK)
10:00  Coffee break
10:40  Life Cycle Approach (Alain Dubreuil, Canada)
11:00  Key Note Lecture (Andrew Bloodworth, British Geological Survey)
11:50  Discussion
12:15  Lunch break
13:45  Processing and Automation (Christoph Hermann, Tina Dettmer, TU Braunschweig, Germany)
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14:10 Recent Developments in LCA of Electric Vehicles – Activities in the International Energy Agency (IEA) on Hybrid and Electric Vehicle (HEV) (Gerfried Jungmeier, Johanneum Research, Austria)

14:30 Organizational Opportunities for Recycling Critical Metals in Vehicles (Maria Ljunggren Söderman, Chalmers TU, Sweden)

14:50 Coffee break

15:30 Resources in Automotive Batteries (Stanislav Vasic, Next Energy, Germany)

15:50 Contribution to Resource Efficiency: Dezincing of Steel Scrap from Car Production (Andreas Sauter, Martin Faulstich, Cutec)

16.10 Short coffee break

16:40 Bus leaves for site visit (industry/research)

17:00 Site visit (details to be confirmed)

18:30 Activities in the Metropolitan Region (Matthias Brucke, Clustermanager Automotive Nordwest e.V.)

19:00 Evening at participants’ disposal (bus will stop in downtown Bremen)

Wednesday, June 18, 2014

9:00 Summary of day 2 (Alexandra Pehlken)

9:10 Steven Young (SEED, University of Waterloo, Canada)

9:30 World Café session: Introduction, presentation of 3 topics

9:50 Coffee break

10:20 World Café session begins (3 rounds, 30 minutes each)

11:50 Short break, preparation of final plenary session

12:15 Presentation of world café results and discussion of further activities

12:50 Wrap-up and closing of workshop

13.00 Lunch and departures
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This workshop is supported by:

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