

Invitation to a Danish-German PE:Region internal workshop:

HIGH-POWER ONBOARD BIDIRECTIONAL BATTERY CHARGER

Electromobility creates strong innovation and business opportunities within power electronic systems. However, electrification of these applications requires the highest possible conversion efficiency, which is a strong parameter for competitiveness, since it reduces system size and costs while increasing system reliability.

On this background the PE:Region project conducts applied research in order to develop a demonstrator of an advanced on-board high-power ultra-high efficiency battery charger for electro-mobility applications. The battery charger can operate in both directions and be used for fast charging as well as for vehicle-to-grid charging.

In order to start work with the battery charger demonstrator, an internal PE:Region workshop is realized for project financial partners as well as industrial network partners connected to the demonstrator activities. The aim is to define details on required technical development activities, and to define the organization of the work.

PROGRAM

Plenum session for all demonstrators:

1. Welcome, presentation of participants, and lunch
[Marco Liserre, CAU]
2. Overview of PE:Region project and demonstrator development work
[Gustav Nebel, Sønderborg Vækstråd]

Parallel session on specific demonstrators:

3. Technical goals and tasks in the development of the battery charger
[Introduction by Morten Nymand, SDU followed by discussion and decisions]
4. Organization of high-power battery charger development work
[Introduction by Morten Nymand, SDU followed by discussion and decisions]
5. Conclusions and plan for coming activities
[Final conclusions and decisions on time plan for coming activities]

TIME AND PLACE

22 November 2016
12:00 – 15:30
TF-CAU – “Aquarium”
(KS2/Geb D)
Kaiser Str. 2
DE-24143 Kiel

REGISTRATION

Participation is free of charge but registration before 16 November:

- German participants:
info and registration to
Joachim Bergmann,
+49 431 66 66 6-8 32,
jbergmann@wtsh.de
- Danish participants:
info and registration to
Gustav Nebel,
+45 3055 3165,
gune@sonderborg.dk
- The workshop is
organized by the
PE:Region project
partners:

SDU 

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Christian-Albrechts-Universität zu Kiel

 **FACHHOCHSCHULE KIEL**
University of Applied Sciences

WT.SH 
Wirtschaftsförderung
und Technologietransfer
Schleswig-Holstein GmbH

 **Sønderborg
Vækstråd**