

Invitation to a Danish-German PE:Region seminar:

INTELLIGENT GRID INTEGRATION, HIGH SPEED DRIVES, AND BATTERY CHARGING

Power electronics is a cross-cutting technology applied for efficient control and conversion of electric power in many applications. Growing demand for innovative power electronics products and solutions is expected due to electrification of energy systems and higher demand for energy efficiency.

On this background, an important objective of the Danish-German PE:Region project is to support power electronics innovation. The project develops three technology demonstrators for selected value chains in cooperation with industrial network partners:

#1: Intelligent grid integration of wind and sun	#2: Energy efficient, reliable and compact high speed drive	#3: High-power onboard bidirectional battery charger
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The seminar provides a status of the PE:Region demonstrator work and a possibility to discuss further development. In addition, a summary of related activities is provided.

PROGRAMME

1. Lunch, welcome and brief overview of the PE:Region project work [Marco Liserre, CAU / Gustav Nebel, Sønderborg Vækstråd]
2. DC power electrical grids – main conclusions from LE.SH seminar [Jan Cornils, WTSH / Marco Liserre, CAU]
3. Intelligent grid integration: PE:Region demonstrator #1 status and prospects, Inertia support by means of Smart Transformer [Xiang Gao, CAU]
4. High speed drive: PE:Region demonstrator #2 status and prospects [Stefan Walz, CAU]
5. Battery charger: PE:Region demonstrator # 3 status and prospects, the eWorkVehicle Battery Charger project [Morten Nymand, SDU]
6. Electronica 2018 – summary of selected power electronics highlights [Kasper Paasch, SDU]
7. Conclusions

TIME AND PLACE

Wednesday 28 Nov. 2018
11:30 – 15:00

CAU, Faculty of Engineering,
Chair of Power Electronics,
Building B, The Library
Kaiserstraße 2, D-24143 Kiel

REGISTRATION

Participation is free of charge.
Registration deadline: 25.11.18

- 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 partners:

