

# PROGRAMME FOR THE SYMPOSIUM

**08:00-08:50 REGISTRATION AND COFFEE**

**08:50-09:10 WELCOME**

*BY PROJECT LEADER STIG MUNK-NIELSEN, AALBORG UNIVERSITY, DEPARTMENT OF ENERGY TECHNOLOGY*

**09:10-09:40 TRENDS IN OFF-SHORE WIND ENERGY**

*BY BO SVOLDGAARD, HEAD OF ENGINEERING AND CEO, VATTENFALL WIND DENMARK*

**09:40-10:10 TRENDS IN HIGH POWER MODULES AND AUTOMOTIVE**

*BY MICHAEL TØNNES, SENIOR DIRECTOR R&D, DANFOSS SILICON POWER, DENMARK*

**10:10-10:40 OPPORTUNITIES FOR POWER ELECTRONICS BY PACKAGING AND INTEGRATION**

*PROF. DR.-ING. ECKART HOENE, FRAUNHOFER IZM*

**10:40-10:55 COFFEE BREAK**

**10:55-11:15 GAN CONVERTERS FOR PUMP DRIVES**

*BY NIELS HØGHOLT PETERSEN, CHIEF ENGINEER, GRUNDFOS, DENMARK*

**11:15-11:35 NEXT GENERATION OF HIGH FREQUENCY POWER CONVERTERS**

*BY ZHE ZHANG, ASSOCIATE PROFESSOR, TECHNICAL UNIVERSITY OF DENMARK*

**11:35-11:55 TAKING ADVANTAGE OF NEW TECHNOLOGIES IN DRIVES**

*BY MICHAEL TERMANSEN, VP R&D, MANAGER, DANFOSS DRIVES, DENMARK*

**11:55-12:15 VERY HIGH EFFICIENCY GAN DC/DC CONVERTERS**

*BY MORTEN NYMAND, ASSOCIATE PROFESSOR, UNIVERSITY OF SOUTHERN DENMARK*

**12:15-12:35 OPPORTUNITIES OF POWER ELECTRONICS SEEN FROM A RELIABILITY POINT OF VIEW**

*BY FREDE BLAABJERG, PROFESSOR, AALBORG UNIVERSITY, DENMARK*

**12:35-12:55 FUTURE HIGH POWER TECHNOLOGY**

*BY PHILIP CARNE KJÆR, CHIEF SPECIALIST, VESTAS WIND SYSTEMS AND ADJOINT PROFESSOR, AALBORG UNIVERSITY, DENMARK*

**12:55-13:15 OPENING OF THE PACKAGING LABORATORY**

**13:15-13:45 LUNCH**

*ROOM: PONTOPPIDANSTRÆDE 111, 1.030 AND 1.031*

**13:45-17:00 THREE PARALLELED ACTIVITIES**

1. IEPE EXHIBITION - SHOWING SPIN-OFF COMPANIES AND DEMONSTRATOR ACTIVITIES  
ROOM: PONTOPPIDANSTRÆDE 111, 1.030 AND 1.031

- NORDIC POWER CONVERTER
- POWERCON
- KK WIND SOLUTIONS
- AAU
- SDU
- DTU
- GRUNDFOS
- DANFOSS
- VESTAS

2. POSTER SESSION

3. GUIDED LABORATORY TOURS (EVERY HALF HOUR)

*CONVERTER MONITORING ON 1.25MW BACK-TO-BACK CON. WITH INSTALLED CMU SYSTEM*

*PACKAGE LABORATORIES FOR 10KV AND 15KV SIC POWER MODULER*

*MV LABORATORY 3KV TO 24KV TAPED TRANSFORMER*

*RELIABILITY LABORATORIES*

## IEPE Project Grant:



### Partners:



## MV Activity and Package Laboratory Grant:



### In collaboration with



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# IEPE SYMPOSIUM 2017

PROGRAMME FOR JANUARY  
18<sup>TH</sup> 2017

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