

WBG seminar day, May 16, 2023 - program

Lecture room E2, KTH Osquars backe 2

09:15 - 09:30 Get together, coffee	
09:30 - 09:40	Welcome Mietek Bakowski, RISE
General	
09:40 - 10:00	Claire Troadec, Yole The emergence of SiC and GaN is setting a new rhythm for Power Electronics
10:00 - 10:20	Hans Peter Nee, KTH New project activities at KTH and the relation to societal needs
10:20 - 10:40	Dimos Pefitsis, NTNU Active gate drivers for SiC MOSFETs
10:40 - 11:00	Per Ranstad, LNU PECTA, towards phase III
11:00 - 11:20	Klas Brinkfelt, RISE Power Electronics – An Opportunity for Sweden
11:20 - 12:40 Lunch	
Devices	
12:40 - 13:00	Martin Domeij, OnSemi EliteSiC – onsemi SiC MOSFETs for high efficiency in industrial and automotive applications
13:00 - 13:20	Daniel Hofmann, Wolfspeed Gate Switching Testing of 1200 V SiC MOSFET
13:20 - 13:40	Sergey Reshanov, II-VI Kista AB Coherent SiC Power devices
Applications & New Projects	
13:40 - 14:00	Per Ranstad, Andritz/LNU SiC in industrial converters, implementation and field experiences
14:00 - 14:20	Ganesh Chandramouli, Alstom <i>TBD</i>
14:20 - 14:40 Coffee	
14:40 - 15:00	Ninos Poli, Scania High voltage inverter for BEV trucks
15:00 - 15:20	Kooros Moabber, Volvo Car Power Module technology, requirements, and challenges
15:20 - 15:40	André Xavier Svensson, Powerbox SiC MOSFET - power losses in DC/DC converters
15:40 - 16:00	Mietek Bakowski, RISE Benchmarking of vertical GaN MOSFETs
WBG PC Annual Awards	
16:00 - 16:30	Per Ranstad, WBG Power Center Best Master Thesis & Young professional awards