

Workshop SCAPE 2019

13-14 May 2019, Radisson Blu Royal Park Hotell



Monday 13 May

08:30 - 09:00 Registration & coffee

09:00 Welcome
Mietek Bakowski, RISE

Strategic Initiatives

09:10 Peter Rechberger, ECPE
ECPE WBG Roadmap - lead applications for SiC and GaN

09:30 Peder Bergman, Linköping University
Presentation of PECTA - speeding-up effectivisation of energy conversion

09:50 Alastair McGibbon, UK Catapult programme
Supporting industrial R&D in wide bandgap power electronics applications

10:10 - 10:50 Coffee & Exhibition

Key Note

10:50 Enrico Zanoni, University of Padova
Recent advancements in the technology and reliability of power Gallium Nitride devices for switching applications

SiC & GaN Devices

11:20 John Palmour, Wolfspeed
SiC MOSFETs Poised for Adoption in Automotive Markets

11:40 Ignacio Lizama, ROHM Semiconductor
SiC MOSFETs in Low-Inductive SMD Package with driver Source

12:00 Martin Domeij, On Semiconductor
Rugged 1200 V SiC MOSFETs for automotive applications

12:20 - 14:00 Lunch & Exhibition

14:00 Juan Colmenares, Infineon Technologies
Silicon Carbide CoolSiC™ semiconductor products - revolution to rely on

14:20 Eugen Wiesner, Mitsubishi Electric
SiC Power Modules and their applications

Applications

14:40 Nicola Mingirulli, Robert Bosch
SiC in Automotive Drivetrain Application

15:00 - 15:20 Coffee & Exhibition

15:20 Martin Lindahl, Bombardier Transportation Sweden
Investigation of Overvoltage On Motor Terminal Due to Fast Switching with Silicon Carbide

15:40 Thord Nilson, Inmotion Technologies
Evaluation of performance of WBG (and Si) components for inverter applications

16:00 Kenneth Andersson, QRTECH
5kW PFC Vienna rectifier for Airborne Equipment

16:20 - 16:40 Coffee & Exhibition

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Monday 13 May (cont.)

16:40	Stefan Lidström, Comsys <i>WBG components is not the "simple solution" - a good system design is equally important</i>
17:00	Christian Schwabe, Chemnitz University of Technology <i>Power cycling of SiC Mosfets</i>
17:20	Ninos Poli, Scania <i>Voltage Source Converter using SiC for Scania's electrified vehicles</i>
<i>WBG Power Center Annual Awards</i>	
17:40	<i>Presentation of awardees "Best Master Thesis" & "Young Professional"</i> Per Ranstad, WBG Power Center
17:50	Best Master Thesis Award, summary
18:00	Young Professional Award, summary
18:10 - 19:30	Mingle
19:30	Dinner