

Bodo's Wide Bandgap Event

„Making WBG Designs Happen“

Program SiC

Room Munich I

- 08:15

Opening
Roland R. Ackermann
Bodo's Power Systems
- 08:30

Silicon Carbide JFETs enable breakthroughs of high-voltage solid state power distribution
Leo Aichriedler
Infineon Technologies
- 08:45

Paralleling SiC MOSFETs: A Robust Approach for High-Power Converter Performance and Thermal Management
Salvatore La Mantia
STMicroelectronics
- 09:00

Innovative SiC MOSFET Technologies for a wide range of applications
Dr. Khalid Hussein
Mitsubishi Electric
- 09:15

Selection and Optimization of Topside Cooling Options for Discrete SiC MOSFETs for High Power Density Applications
Dr. Tomas Krecek
Alpha and Omega Semiconductor
- 09:30

Design and Reliability Considerations for 3.3kV SiC Modules in Traction
Dr. Virgiliu Botan
Hitachi Energy
- 09:45

Coffee Break & Tabletop Exhibition
- 10:30

Increasing power density with small molded modules in medium power applications
Dr. Christian Felgemacher
ROHM Semiconductor
- 10:45

SiC semiconductors in space applications: trends, challenges and opportunities
Dr. Darko Vračar
The Exploration Company
- 11:00

Advanced SiC technology for automotive applications
Dr. Andrei Mihaila
StarPower
- 11:15

Accurate Efficiency Analysis for WBG inverters: Confidently Capturing 0.1% Improvements
Roy Hali
HIOKI
- 11:30

Efficient and Reliable 2kV SiC Power Modules for DC Infrastructure and Renewables
Dr. Jorge Mari
Semikron Danfoss
- 11:45

Comparative Analysis of Power and Thermal Performance in SiC MOSFET SMD Packages: X.PAK, QDPAK & D²PAK-7
Fatih Cetindag
Nexperia
- 12:00

Lunch Break & Tabletop Exhibition
- 13:45

The Application of Miniature Planar Gate Drive Transformers
Dr. Rosemary O'Keeffe
Bourns
- 14:00

Beyond the FET: Solving the Practical Challenges of SiC Gate Drive Design
Karsten DÜchting
Allegro MicroSystems
- 14:15

SiC MOSFET Gen 2.0: Rugged in Radiation, Softer in switching
Hadiuzzaman Syed
Bosch
- 14:30

Performance and Reliability Gains in MVHV SiC Using Advanced Power Devices and Packaging Technologies
Sascha Dern
Navitas Semiconductor
- 14:45

Coffee Break & Tabletop Exhibition
- 15:30

Benefits of 3-level power modules in Automotive traction inverters
Sebastian Pawusch
Fuji Electric
- 15:45

Assessing the aggregate behavior of paralleled SiC Mosfets
Andrea Vinci
Tektronix
- 16:00

Next-Gen Motor Drives : Exploring SiC
Dr. Didier Balocco
onsemi
- 16:15

Selecting the Right SiC MOSFET Device: A Key to Efficient Zero-Voltage Switching
Dr. Ajay Poonjal Pai
Sanan Semiconductor
- 16:30

Going Beyond a Qualification Report: Power Cycling and Lifetime Modeling
Mauro Ceresa
Wolfspeed

Program GaN

Room Munich II

- 08:15

Opening
Alfred Vollmer
Bodo's Power Systems
- 08:30

GaN In-Circuit Reliability: Dynamic Life Testing of 650 V GaN FETs
Sebastian Klötzer
Nexperia
- 08:45

GaN Integrated Circuits for Motor Drives
Dr. Alex Lidow
Efficient Power Conversion (EPC)
- 09:00

Power conversion with bi-directional GaN in a single stage converter for micro inverters and portable power stations
Harald Parzhuber
Texas Instruments
- 09:15

GaN bidirectional switch (BDS) innovation and related applications
Dr. Edward A. Jones
Infineon Technologies
- 09:15

PLECS meets Spice: One Model. From Systems to Semiconductors.
Eli Hanak
Plexim
- 09:45

Coffee Break & Tabletop Exhibition
- 10:30

Compact, lightweight, and cost-effective high-voltage motor control inverter with GaN
Dr. Ester Spitale
STMicroelectronics
- 10:45

The GaN Foundry Model: A GameChanger for the Next Wave of Innovation
Patrick Minton
X-FAB
- 11:00

Driving integration – Compact power supplies with the GaN System-In-Package
Dr. Timothy Polom
ROHM Semiconductor
- 11:15

The adoption of GaN technologies for EV traction inverter solutions
Bétina Bebey
NXP Semiconductors
- 11:30

From Back-to-Back to Monolithic: The Role of GaN BDS in Next-Generation Power Electronics
Marco Ruggeri
Renesas Electronics
- 11:45

High-Power GaN ICs & FETs Enable Efficiency and Power Density Requirements in Next Gen 800V AI Data Centers
Llew Vaughan-Edmunds
Navitas Semiconductor
- 12:00

Lunch Break & Tabletop Exhibition
- 13:30

Vertical GaN: Breakthrough for AI & Automotive Electrification
Dr. Subhash Pidaparthi
onsemi
- 13:45

High Voltage GaN: Delivering 800 V DC bus architectures for Power-Hungry Data Centers
Andrew Smith
Power Integrations
- 14:00

HV Intermediate bus converter as essential link to power server boards directly from 800V DC
Pierrick Ausseresse
Infineon Technologies
- 14:15

GAN Power Module for high power BEV Inverter Applications
Dieter Liesabeths
VisiC Technologies
- 14:30

Advancing GaN Power Device Technology: Theoretical Insights into Reliability, Switching Behavior, and Device-Level Design Optimization
Dr. Samaneh Sharbati
University of Southern Denmark
- 14:45

Coffee Break & Tabletop Exhibition
- 15:30

Package-integrated GaN motor drive IPM exceeding 99% efficiency at 250W
Dr. Maik Kaufmann
Texas Instruments
- 15:45

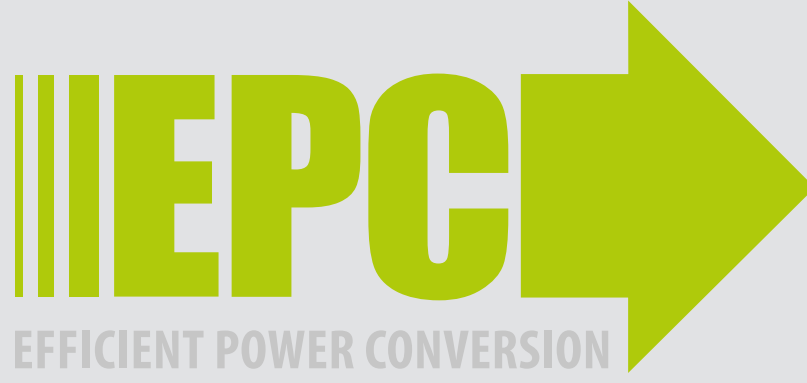
Unlocking the Potential of Multi-level Inverters with Integrated GaN technologies
Farhan Beg
Cambridge GaN Devices (CGD)
- 16:00

Fully Integrated GaN Solutions with Monolithic GaN-Ics
David Czajkowski
MinDCet
- 16:15

Improving GaN Model Accuracy
Dr. Stefania Carapezzi
Silvaco
- 16:30

GaN at the Tipping Point: from Market expansion to OEM adoption
Dr. Roy Dagher
YOLE

Tabletop Exhibitors



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