

Bodo's Wide Bandgap Event

„Making WBG Designs Happen“

Program SiC Room Munich I

- 08:30 What it takes to make it real: Opportunities and challenges moving to 1500-V architectures**
Guy Moxey
Wolfspeed
- 08:45 Hidden pits of SiC MOSFET benchmarking and evaluation**
Aleš Loidl
STMicroelectronics
- 09:00 Application Stability of Fast Switching Planar SiC MOSFETS**
Dr. David Sheridan
Alpha and Omega Semiconductor
- 09:15 Pushing the SiC portfolio boundaries - 400V and 3.3kV SiC MOSFETS**
Dr. Peter Friedrichs
Infineon
- 09:30 Coffee Break & Tabletop Exhibition**
- 10:15 Soft-switching for Automotive Traction Inverter Applications**
Dr. Ajay Poonjil Pal
Sanan Semiconductors
- 10:30 GaN & SiC Technologies Enable Next-Gen AI Data Centers**
Alfred Hesener
Navitas
- 10:45 SiC Power Packaging Unlocks Full Potential of High-Power Applications**
Dr. Ing. Tomas Krecek
Microchip Technology
- 11:00 Utilizing Physics-Based AI-Powered Digital Twins to Accelerate Design Optimization and Manufacturing Yield of SiC Power Devices**
Dr. Josef Weinbub
Silvaco
- 11:15 50% more power from SiC chips in high performance ceramic-isolated discrete packages**
Francois Perraud
Littelfuse
- 11:30 Enhanced laser annealing for ohmic contact formation for SiC power devices**
Maurice Clair
3D-Micromac
- 11:45 Lunch Break & Tabletop Exhibition**
- 13:30 For Reliable and Competitive SiC Power Converters**
Dr. Nils Soltan
Mitsubishi Electric
- 13:45 Powering the Future: Harnessing 2kV SiC for a Decentralized Grid**
Emiliano Meza
Semikron Danfoss
- 14:00 SiC power module challenges for EV applications**
Imane Fouaide
ROHM Semiconductor
- 14:15 Accurate SiC Simulation in SPICE and PLECS**
Dr. Didier Balocco
onsemi
- 14:30 2nd Generation 1200 V SiC MOSFET: Robust against Radiation and Better in R_{bs,on}**
Hadiuzzaman Syed
Bosch
- 14:45 Coffee Break & Tabletop Exhibition**
- 15:30 Use cases of SiC Technology in industrial Applications**
David Chilchava
Vincotech
- 15:45 SiC MOSFET with high temperature stability**
Dr. Georgio El-Zammar
Nexperia
- 16:00 Challenges of measuring high-voltage Wide Bandgap devices**
Dr. Alexander Küllmer
Rohde & Schwarz
- 16:15 SiC Inverter Control Modules & Reference Designs How to increase efficiency and accelerate time to market**
Mike Sandtyck
CISSOID
- 16:30 SiC MOSFET 750 V Generation 2: enhancing bidirectional charging of electric vehicles and boosting their performance**
Mario Zotes
Infineon

Program GaN Room Munich II

- 08:30 GaN innovations: solutions creating value in power electronics**
Oliver Bleck
Infineon
- 08:45 Humanoid Robots Dexterity Powered by GaN FETs and ICs**
Marco Palma
Efficient Power Conversion (EPC)
- 09:00 Now Rated to 1700V, is GaN Set to Replace SiC Above a Kilovolt?**
Balu Balakrishnan
Power Integrations
- 09:15 Kiss your heatsink goodbye: A kilowatt motor inverter based on GaN**
Stanislav Divin
STMicroelectronics
- 09:30 Coffee Break & Tabletop Exhibition**
- 10:15 Price competitive GaN power devices are the technology of choice for high-efficiency, compact and cost-effective power systems**
Dr. Denis Marcon
Innoscence Europe
- 10:30 Utilization of GaN in Industrial Power Module Packages**
David Chilchava
Vincotech
- 10:45 Powering the Future : ICeGaN's role in redefining power supply performance for Next- Gen Data Centres**
Farhan Beg
Cambridge GaN Devices
- 11:00 Maximizing application benefits with GaN: a comparison of commercial technologies**
Dario Pagnano
Nexperia
- 11:15 D⁺GaN is breaking the boundaries of EV inverter efficiency**
Hans Winter
VisiC Technologies
- 11:30 Using TCAD to understand GaN design dependencies for Electric Vehicle applications**
Andrew Patterson
Silvaco
- 11:45 Lunch Break & Tabletop Exhibition**
- 13:30 Driving electric Motors with GaN power ICs**
Alfred Hesener
Navitas
- 13:45 Smart power GaN technology for higher energy efficiency**
Gabriele Gherdovich
STMicroelectronics
- 14:00 How to improve efficiency in solar power systems with wide bandgap devices**
Harald Parzhuber
Texas Instruments
- 14:15 GaN Advantage in Multilevel Totem Pole PFC**
Marco Palma
Efficient Power Conversion (EPC)
- 14:30 Monolithic Bidirectional GaN-Device: Opportunity and Challenges for Highly Efficient Design of Power Electronics Converters**
Dr. Reza Barzegarkhoo
Kiel University
- 14:45 Coffee Break & Tabletop Exhibition**
- 15:30 Theoretical Insights and Modeling of Vertical GaN Switches for Industrial Applications**
Dr. Samaneh Sharbati
University of Southern Denmark
- 15:45 Overcoming Measurement Challenges in High-Speed GaN/SiC Power Devices**
Marcus Sonst
Rohde & Schwarz
- 16:00 Real-time simulation for SiC/GaN devices with 1.5 MHz switching frequency**
Dr. Enrique Rodríguez Díaz
Plexim
- 16:15 Innovative approaches to improve accuracy in dynamic switching characterization and Rds on measurement**
Andrea Vinci
Tektronix
- 16:30 Bi-directional GaNFast for next generation high-performance topologies**
Alfred Hesener
Navitas

Tabletop Exhibitors

