

## Day 1 - Monday 7th April 2025

18:30 Pre-conference networking drinks reception

# Day 2 - Tuesday 8th April 2025

## Next-Generation Semiconductor Materials: Beyond SiC and GaN

- 08:00 Registration and welcome refreshments
- 08:50 Housekeeping by Conference Chair
- 09:00 **Ultrawide Bandgap Semiconductors for Next Generation Power Electronics**  
*Presented by Martin Kuball - University of Bristol*
- 09:20 **Advancing Power Electronics with Aluminum Scandium Nitride**  
*Presented by Ali Yassine - University Freiburg*
- 09:40 **Precision Measurement Solutions to drive Transformation**  
*Presented by Thomas Rottach - Siglent*
- 10:00 Presentation Title to be Confirmed

10:20 Morning Break

- 11:00 Presentation Title to be Confirmed
- 11:20 Presentation Title to be Confirmed
- 11:40 Presentation Title to be Confirmed

## Sustainable Power Conversion Technologies: Eco-Friendly Solutions

- 12:00 **Power Semiconductors – The Silent Heroes in the Transition of the Power Grid**  
*Presented by Tobias Keller - Hitachi Energy*
- 12:20 **Contribution of Wide Band Gap Semiconductors to a More Sustainable Energy Landscape**  
*Presented by Peter Friedrichs - Infineon*
- 12:40 **Presentation by Innoscience**  
*Presented by Denis Marcon - Innoscience Europe BV*

13:00 Lunch Break

- 14:30 Presentation Title to be Confirmed
- 14:50 Presentation Title to be Confirmed
- 15:10 Presentation Title to be Confirmed
- 15:30 Presentation Title to be Confirmed

15:50 Afternoon Break

## Smart Grid Integration: Enhancing Resilience and Flexibility

- 16:30 Presentation Title to be Confirmed
- 16:50 Presentation Title to be Confirmed
- 17:10 Presentation Title to be Confirmed
- 17:30 Closing Remarks
- 18:00 Networking Drinks / Dinner Reception

## Day 3 - Wednesday 9th April 2025

08:00 Registration and welcome refreshments

08:50 Housekeeping by Conference Chair

### Power Electronics for Electric Mobility: Accelerating Electrification

09:00 **How the Evolving EV Landscape Impacts Growth Prospects for Different Power Semiconductor Technologies**

*Presented by Callum Middleton - Omdia*

09:20 **Presentation by Yole Group**

*Presented by Name to be advised - Yole Group*

09:40 **Silicon Carbide: The Game Changer in Power Electronics for Sustainable Electric Mobility**

*Presented by Simone Rascunà - ST Microelectronics*

10:00 **Solving the Challenges in Monolithic Power Conversion in GaN**

*Presented by Jef Thoné - MinDCet*

10:20 **Vacuum Soldering with Integrated Volatile Capture and Soft Cooling Technologies**

*Presented by Thomas Krebs - PINK GmbH Thermosysteme*

10:40 **Presentation by Panasonic Connect**

*Presented by Name to be advised - Panasonic Connect*

11:00 Morning Break

### Artificial Intelligence in Power Electronics: Optimizing Performance

11:40 **Artificial Intelligence-assisted Predictive Maintenance for Power Electronics**

*Presented by Shuai Zhao - Aalborg University*

12:00 **How AI-algorithms and AI-hardware Accelerate the Design Process in Power Electronics**

*Presented by Andreas Roskopf - Fraunhofer IISB*

12:20 **Artificial Intelligence in Power Electronics: Challenges and Trends**

*Presented by Wilmar Martinez - KU Leuven - EnergyVille*

12:40 Lunch Break

14:10 **How AI will Drive Growth in Power Semiconductors, from the (Data) Center to the Edge**

*Presented by Callum Middleton - Omdia*

14:30 **A Pioneer AI-improved Control Scheme for Soft Switching High Power Converters**

*Presented by Fabrizio Di Franco - ST Microelectronics*

14:50 **Navitas GaN and SiC Technologies to Enable Next-Gen AI Power Delivery**

*Presented by Llewellyn Vaughan-Edmunds - Navitas*

15:10 **SiC-Based Power Solutions for AI: Enabling Next-Generation Server Power Supplies with Unparalleled Efficiency and Reliability**

*Presented by Aleksei Cherkasov - Infineon*

### Energy Harvesting and Wireless Power Transfer: Enabling Autonomous Systems

15:30 **Presentation Title to be Confirmed**

15:50 **Presentation Title to be Confirmed**

16:10 Closing Remarks

