

WIDE BANDGAP 2026

Unlock the Future of Power!

October 6th-7th, 2026

Crowne Plaza Hotel
Via Belgio 16
37135 Verona (VR)

We are pleased to invite you to the event **Wide Bandgap 2026**, organized by Arrow Electronics next **October 6th - 7th, 2026**.

The event, now in its third edition, will show all the news and updates about **SiC & GaN devices** and will allow customers to find out all they need to design their projects.

We will go through the most **innovative topologies** by illustrating also the **gate driver**, **current sensing, passive and interconnection solutions** solutions needed for the system design and essential to unlock all the benefits and **realize the full potential of SiC and GaN.**

New for this year, the second day will feature a **round table** bringing together analysts, universities, and industry, followed in the afternoon by dedicated **simulation sessions**.

The **showcase area** with all demos and solutions will be available throughout the event, accessible to all customers at any time of both days.

The event is dedicated to power electronics designers interested in the latest technology trends.

Register now!

Suppliers

Third Parties

Media partner:

Register now!

Day 1 – October 6th

SLOT/ROOM	Duchamp	Picasso	Modigliani	
9:10 – 9:40	**Welcome Coffee & Registration**			**Showcase**
9:40 – 10:00	**Event Start & Arrow Intro**			
10:00 – 10:30	**Infineon Keynote -** Unlocking the Future of Power Electronics: Infineon's WBG Advantages from Grid to Core up to Physical AI			
10:40 – 11:10	**STMicroelectronics -** Answering thermal related questions when using SiC mosfets. Packages, Thermal Interface Materials, Benchmarks and Performance	**Nexperia** - Industrial Adoption of GaN FETs: Benefits of High-Speed Switching and Design Considerations	**onsemi** - Does it make sense to use Wide Band Gap devices (GaN or SiC) vs IGBT for motion control?	
11:10 – 11:50	**Coffee Break & Showcase**			
11:50 – 12:20	**Allegro** - Beyond the Switch: Integrated Solutions for High-Performance SiC and GaN Driving in automotive and industrial applications		**Skyworks** - SelVCD and ProVCD: Advantages on using current generator based gate driver in power application	
12:30 – 13:00	**Infineon** - WBG in xEV: The Power Behind Efficient & Cost-Effective Mobility	**Wolfspeed** - Redefining System Reliability: How Next-Generation Packages and Gen4 Wolfspeed Devices Enable What Was Unthinkable Just a Few Years Ago	**STMicroelectronics** - Power density versus system cost adopting GaN based IPM: GaNSPIN products in 400W inverter use case analysis	
13:00 – 14:00	**Lunch & Showcase**			
14:00 – 14:30	**Bourns** - Designing Magnetics for High Voltage		**Amphenol CS** - Unlocking SiC & GaN Performance: The Critical Role of Power Interconnect Solutions	
14:40 – 15:10	**Bosch** - SiC Portfolio and Innovations	**Toshiba** - Learn about Toshiba's latest developments in SiC with Discrete and Module solutions for demanding industrial applications	**Teledyne** - Unlocking the Benefits of GaN: Smarter Design, Broader Use	
15:10 – 16:00	**Coffee Break & Showcase**			
16:00 – 16:30	**Allegro** - New current sensor technologies enhance control and protection in wide Bandgap designs	**Diodes** - Improve the reliability of MOSFET, IGBT, GaN, and SiC based design with Diodes RobustISO™ isolated gate drivers and digital isolator products.	**Littelfuse** - Bridging the gap: Littelfuse high-performance SiC in ceramic-isolated packages	
16:40 – 17:10	**Wolfspeed** - Expanding the SiC Horizon: How New Voltage Classes Enable the Ideal Solution Across All Power Electronics Applications	**Nexperia** - Comprehensive SiC MOSFETs Benchmarking: On-Resistance Stability, Switching Performance, Thermal Management, and Ruggedness Beyond Datasheet	**onsemi** - Power Reimagined: GaNexusTM - The Next Generation of GaN from onsemi	
17:10 – 17:30	**Awards & Closure**			
19:30 – 22:30	**Arrow Dinner - Corte Poli Restaurant**			

Register now!

Day 2 – October 7th

SLOT/ROOM	Duchamp	Picasso	Modigliani	
8:30 – 8:45	**Welcome Coffee & Registration**			**Show case**
8:45 – 9:00	**Arrow Intro**			
9:00 – 10:00	**Round Table** - GaN vs SiC: hype o reale game changer?			
10:00 – 10:30	**Infineon** - SiC Innovations: 400V-3300V CoolSiC™ MOSFETs & JFETs	**Nexperia** - 48V Motor Drive with GaN FETs: Design Approach and Test Results	**STMicroelectronics** - 1kW GaN based inverter for motor control & GaN based front-end PFC	
10:30 – 11:00	**Coffee Break & Showcase**			
11:00 – 11:30	**Yageo** - Power Magnetics for SiC/GAN solutions		**Knitter Switch** - **Knitter Inductive** - Your custom made magnetics of choice!	
11:40 – 12:10	**Infineon** - CoolGaN™ - Achieving highest efficiency and power density in electrical systems	**Innoscience** - Higher Efficiency & Smaller Size Motor Control Systems at lower cost with Innoscience SolidGaN™ and InnoGaN™	**onsemi** - Unlocking Full SiC Potential at System Level: Why Gate Driver + FET Pairing Matters	
12:20 – 13:20	**Lunch & Showcase**			
13:20 – 14:00	**Wolfspeed & Skyworks** Reference Design			
14:10 – 14:50	**Arrow & onsemi & Bourns** - 3kW Sic Based Totem Pole PFC + LLC Reference Design			
15:00 – 15:30	**Coffee Break & Showcase**			
SLOT/ROOM	**Simulation Sessions: Kandinsky**	**Simulation Sessions: Duchamp & Picasso**		
15:30 – 16:30	**Wolfspeed** - Beyond the Datasheet: What You Can Discover in Hours of Simulation Instead of Days in the Lab	**Infineon** - Explore the power of InfineonSpice		
16:30 – 17:30	**STMicroelectronics** - Simulation and Benchmarking of SiC Power MOSFETs: A Spreadsheet-Driven Approach for Rapid Evaluation	**onsemi** - Design by simulation: Myth or Reality?		
17:30	**Closure**			

Register now!

Recommended Hotel

In order to book your room for the night of 5th-6th October, you need to write an email to the hotel. Rooms are subject to availability (we recommend you book asap).

Crowne Plaza Verona
€ 154 (VAT included) + city tax € 4,50
Breakfast is included
Reservation code: **WBG2026**
reservation@crowneplazaverona.com
Business & Leisure Hotel a Verona - Crowne Plaza Verona

Leonardo Hotel
€ 120 (VAT included) + city tax € 3,50
Breakfast is included
Reservation code: **WBG2026**
reservations.verona@leonardo-hotels.com
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