

## Day 1 - Monday 20th April 2026

11:00 AngelTech Innovate Summit - Limited places! Requires separate registration: <https://www.angeltech-innovate.net/register>

18:00 Pre-conference Networking Drinks / Dinner Reception (available to those who have registered for 21st & 22nd April for AngelTech Conference)

## Day 2 - Tuesday 21st April 2026

08:00 Registration and welcome refreshments

08:50 Housekeeping by Conference Chair

### Putting the Automotive Industry in Pole Position

09:00 **EV Inverter Drives above 100 kW Are Expected to Transition to GaN. Where Does the Roadmap End?**

*Presented by Daniel Murphy - Cambridge GaN Devices*

09:20 **Accelerating the Development of Next-Generation Silicon Carbide (SiC) Traction Inverters for Electric Mobility Applications**

*Presented by Pierre Delatte - CISSOID*

09:40 **Scalable Traction Inverter Designs for LEVs (Two-/Three-Wheelers, Micro E-Utility ☐)**

*Presented by Philipp Mai - Arrow Electronics*

10:00 **Powering the Future: How Semiconductor Innovation is Driving the Software-defined Vehicle Era**

*Presented by Téa Williams - GlobalFoundries*

10:20 Morning Break and Networking

10:50 **Zonal Architectures and 48V Board Networks Are Transforming Automotive Design: What This Means for Power Semiconductors**

*Presented by Christoph Stangl - Allegro MicroSystems*

11:10 **Next Generation of Power Electronic Systems: Driving Efficiency through System Optimization**

*Presented by Dr. Stefan Hain - onsemi*

11:30 **High Volume Sintering of Molded Power Packages on Water Coolers for BEV Applications**

*Presented by Maximilian Rodemers - PINK GmbH Thermosysteme*

11:50 **Understanding the Transition from 12V to 48V Low Voltage Power Net**

*Presented by Donovan Porter - Texas Instruments*

12:10 Lunch Break and Networking

### Engineering Innovation with WBG Devices, Circuits and Materials

13:40 **Redefining Data Center Power: GaN and SiC Technologies for Next-Gen 800VDC Infrastructure**

*Presented by Matteo Uccelli - Navitas*

14:00 **Precision Current Measurement Techniques Using Special Shunts and Voltage Probes**

*Presented by Sahil Kacharekar - Tektronix*

14:20 **Innovations in Dynamic Switch Power Testing**

*Presented by Robert Pulman - COSMIC*

14:40 **A Cost-effective Solution for WBG Testing Challenges**

*Presented by Giacomo Tonti - Advantest*

15:00 **800V Automotive DC Bus Domain: Evolving Requirements for Semiconductor Voltage Robustness**

*Presented by Manuel Gärtner - STMicroelectronics*

15:20 Afternoon Break and Networking

15:50 **The Value of GaN BDS in Next-Generation Power Electronics**

*Presented by Marco Ruggeri - Renesas*

16:10 **Breaking the 1MHz Barrier: System-Level Benefits of Ultra High Frequency GaN Motor Drives**

*Presented by James Cannings - QPT*

16:30 **(Ultra)widening the Gap: The applications carved by SiC and GaN, and how UWBG materials could disrupt this space.**

*Presented by Matthew Fall - IDTechEx*

16:50 **Advancing SiC Substrate and Epitaxial Technologies for Next-Generation Power Devices**

*Presented by Rajan Rengarajan - Coherent*

17:10 Closing Remarks

18:00 Networking Drinks and Dinner Reception (concludes around 20:00)

18:30 **AngelTech Rump Session - Bottlenecks & Battlegrounds: The Future of the AI Chip Ecosystem**

*Presented by David Cheskis - Square Zero Technologies, and Diana Khlan - Chips Weekly*

# Day 3 - Wednesday 22nd April 2026

08:00 Registration and welcome refreshments

08:50 Housekeeping by Conference Chair

## Delivering AI-driven Data Centre Densification

Sponsored by Yole Group

09:00 **Intelligent Power Semiconductor Computing**

*Presented by Danilo Pau - STMicroelectronics*

09:20 **Data Center Power Train: Emerging Solutions for Uncertain Market!**

*Presented by Hassan Cheaito - Yole Group*

09:40 **High-Frequency GaN Power Conversion: Supercharging AI Data-Centre Density**

*Presented by Matteo Uccelli - Navitas*

10:00 **Renesas System Solutions from Grid to Core in AI-Datacenter**

*Presented by Marco Ruggeri - Renesas*

10:20 Morning Break and Networking

11:00 **Power Semiconductor Solutions for 800V Datacentre Architectures**

*Presented by Dr. Christian Felgemacher - ROHM Semiconductor Europe*

11:20 **Collaborating to Advance Integrated Voltage Regulation for AI and Cloud Infrastructure**

*Presented by Noah Sturcken - Ferric*

11:40 **Vertical Power Delivery with Current Multiplication**

*Presented by Maury Wood - Vicor*

12:00 Lunch Break and Networking

13:30 **The Power to Compute: Enabling AI Data Centers from Grid Connection to Processor Core**

*Presented by Aleksei Cherkasov - Infineon*

13:50 **Introducing imec.kelis: A Datacenter Performance Model for AI Densification**

*Presented by Dr. Wenzhe Guo - imec*

## Ensuring a Renewable, Sustainable Future

14:10 **Power Semiconductors for the Future Power Grid**

*Presented by Tobias Keller - Hitachi Energy*

14:30 **Diamond Power Electronics: Beyond Ultra-high Voltage**

*Presented by Ivan Llaurado - DIAMFAB*

14:50 Closing Remarks

