

Day 1 - Monday 7th April 2025

18:30 Pre-conference networking drinks reception

Day 2 - Tuesday 8th April 2025

08:00 Registration and welcome refreshments

08:50 Housekeeping by Chris Meadows and Tim Bettles - Conference Chairs

Expanding the emission envelope

09:00 **Expanding the Spectral Range of GaN-based SLEDs**

Presented by Marco Malinverni - Exalos

09:15 **Perfecting GaN VCSEL Production Process**

Presented by Tetsuya Takeuchi - Meijo University

09:30 **Connected Metrology for Growth and Characterization of InP and GaAs Laser Structures – from Epi to Etch**

Presented by Iris Claussen - LayTec

09:45 **Presentation by Umicore**

Presented by Name to be advised - Umicore

10:00 **Presentation by Vertilas**

Presented by Christian Neumeyr - Vertilas

10:15 **The Power of Pseudomorphic Nitrides**

Presented by Leo Schowalter - Lit Thinking

10:30 Morning Break

GaN: Going beyond fast charging

11:10 **Achieving Avalanche in GaN-on-silicon Diodes**

Presented by Farid Medjdoub - University of Lille

11:25 **Presentation by Semilab**

Presented by Name to be advised - Semilab

11:40 **Advancements in X-ray Metrology for GaN and Compound Semiconductors**

Presented by Assunta Vigliante - Rigaku

11:55 **AIXTRON Leading Epitaxy Solutions for High Volume Manufacturing of GaN-based Power Devices**

Presented by Dr. Nicolas Muesgens - Aixtron

12:10 **Enhancing Analytical Accuracy of Active Epilayers in Compound Semiconductors by Multi-ion Species Plasma-FIB and Novel**

STEM Techniques

Presented by Antonio Mani - Thermo Fisher Scientific

12:25 **Presentation by Yole Group**

Presented by Ezgi Dogmus - Yole Group

12:40 Lunch Break

14:10 **Harnessing the Underestimated Potential of GaN in the Digitalization Revolution: A Catalyst for Unforeseen Innovation in Energy Efficiency**

Presented by Roberto Crisafulli - STMicroelectronics

14:25 **Epitaxial GaN Growth using MBE for the Development of Next-Generation Devices**

Presented by Romain Bruder - Riber

14:40 **Presentation by Raith**

Presented by Amanda Wscieklica - Raith

14:55 **Presentation by Veeco**

Presented by Name to be advised - Veeco

15:10 **Advancement in X-Ray Metrology for GaN Power Device Ramp Up**

Presented by Qian Zheng - Bruker

15:25 Afternoon Break

Maintaining momentum for the microLED

16:05 **Perfecting the Polychromatic Pixel**

Presented by Michelle Chen - Q-Pixel Inc

16:20 **MicroSolid Printing: Redefining the Future of MicroLED Displays**

Presented by Reza Chaji - Vue Real

16:35 **Leveraging NIL for LED Lens Packaging**

Presented by Thomas Achleitner - EV Group

16:50 **Presentation by Yole Group**

Presented by Raphaël Mermet-Lyauvoz - Yole Group

17:05 **Pioneering Mass Production and Commercialisation of MicroLED Microdisplays for AR**

Presented by Kunal Kashyap - Porotech

17:20 **Revolutionising microLED Displays with Nanowires**

Presented by Pierre Tchoufian - Aledia

17:35 Closing Remarks

18:30 Networking Drinks / Dinner Reception

Day 3 - Wednesday 9th April 2025

08:00 Registration and welcome refreshments

08:50 Housekeeping by Chris Meadows and Tim Bettles - Conference Chairs

Optimising opportunities for SiC success

09:00 **The Merits of the Merged p-i-n SiC Schottky Diode**

Presented by Llewellyn Vaughan-Edmunds - Navitas

09:15 **Presentation by Applied Materials**

Presented by Name to be advised - Applied Materials

09:30 **Integrated Metal Etch and Photoresist Strip Solution for SiC Manufacturing**

Presented by Bernhard Hammerl - Siconnex Customized Solutions GmbH

09:45 **Presentation by Onto Innovation**

10:00 **Presentation by SCREEN**

Presented by Alessandro Rossi - SCREEN SPE

10:15 Morning Break

10:55 **Presentation by Nanotronics**

Presented by Name to be advised - Nanotronics

11:10 **PVA TePla Metrology Solutions for Compound Semiconductors**

Presented by Name to be advised - PVA TePla AG

11:25 **How Artificial Intelligence Heralds the New Era of Wafering**

Presented by Malte Mueller - Lapmaster Wolters

11:40 **Crystal Orientation for Optimizing Quality and Yield throughout the Process Chain**

Presented by Name to be advised - Malvern Panalytical

11:55 **Presentation by Kellenberger**

Presented by Jeff Gum - Kellenberger

Ultra-wide bandgap materials: The ultimate devices

Sponsored by Precision Fabricators

12:10 Lunch Break

13:40 **Prospects of (ultra) Wide Bandgap Oxide ICs**

Presented by Xiaohang Li - KAUST

13:55 **A Solution to Doping AlN Enabling a New Era of Nitride Semiconductors**

Presented by Alan Doolittle - Georgia Institute of Technology

14:10 **Electric Field Engineering to Unlock the Potential of Gallium Oxide Power Devices**

Presented by Nolan Hendricks - AFRL (Air Force Research Laboratory)

14:25 **Efficient Diameter Enlargement of Bulk AlN**

Presented by Carsten Hartmann - Leibniz-Institut für Kristallzüchtung (IKZ)

14:40 **The promise of cubic Boron Nitride (c-BN)**

Presented by Siddha Pimputkar - Lehigh University

14:55 **Expanding the Ultra-Wide Bandgap Portfolio with Transition Metal Nitrides: AlScN and AlYN**

Presented by Name to be advised - Fraunhofer IAF

15:10 Closing Remarks

