



FEB 24 – 25

JOINING IN CAR BODY ENGINEERING NORTH AMERICA

AGENDA

TUESDAY | FEBRUARY 24

8:00 AM **Coffee & Breakfast Snack | Meet the Exhibitors on site**

9:00 AM **Welcome, Introduction**
Dr. Dirk Meine, Automotive Circle, DE

JOINING ADVANCED MATERIAL COMBINATIONS

9:30 AM **Solving EV Manufacturing Challenges: Advances in Joining Techniques, Process Innovation and Quality Assurance for Castings, Dissimilar Materials, and Battery Manufacturing**
Michael Wiener, IPG Photonics, USA

10:00 AM **Expanding Automotive Use of Structural Aluminium Die-Castings with Cost-Effective F-State Castings Made with Recycled Alloys Reliably Joined to All Steel Grades Using REW Joining Technology**
Sean Farrell, Gaming Engineering, FR; Kotomi Nagata, Ryobi Ltd., JP

10:30 AM **tba**

11:00 AM **Coffee Break & Networking**

PROCESS CONTROL AND QUALITY IN METAL JOINING

11:45 AM **The Fastest and Safest Solution for Vehicle Body Assembly Simplification**
Nachiket Gokhale, ArcelorMittal, USA

12:15 PM **Tailor Welded Blanks – Process Control and Post Inspections**
Sebastian Moser, Precitec Inc., USA

12:45 PM **Lunch Break & Networking**

JOINING AND WELDING SOLUTIONS FOR BATTERY STRUCTURES

2:15 PM **Influence of Laserbeam Rotating to the Porosity of Laser-MIG-Hybrid Welded AW 6063-T6 Aluminum Alloy for Battery Trays**
Wesley Doneth, Fronius USA LLC

2:45 PM **Encapsulated High-Performance Laser Scanner Welding – Laser Welding Without a Laser Cell**
Dr. Axel Luft, Scansonic MI GmbH, DE

ADVANCED SEALING AND ADHESIVE TECHNOLOGIES

3:15 PM **Investigation and Prediction of Wet-Out Quality in Dispensing Processes for Structural Adhesive Materials (SAM) and Thermal Interface Materials (TIM)**
Li-Wei Shih, General Motors and University of Michigan, USA; James Marion, Atlas Copco, USA

3:45 PM **Coffee Break & Networking**

4:30 PM **Enabling High-Speed Robotic Adhesive Dispensing Through Metering System Design**
Roberto Delgado, Graco Inc., USA; James Norman, Fanuc, USA

5:00 PM **Zero-Defect Clinching: Achieving 100% Quality Control via Real-Time Deformation Compensation**
Hiroyuki Natsume, Kistler Instrument Corp., USA

5:30 PM **End of First Conference Day | Networking Night**

WEDNESDAY | FEBRUARY 25

8:00 AM **Coffee & Breakfast Snack | Meet the Exhibitors on site**

ADVANCED JOINING CONCEPTS AND INTELLIGENT QUALITY CONTROL

9:00 AM **Joint solution for MEGA casting * virtual presentation**
Tianqi Li, ZEEKR, Geely Group, CN

9:30 AM **Breaking Barriers in Nondestructive Evaluation: AI-Enhanced Solutions for Future Smart NDE**
Prof. Roman Gr. Maev, University of Windsor, Ontario, CA

10:15 AM **Coffee Break & Networking**

ROBOTICS, AUTOMATION, AND INTELLIGENT FASTENING

11:00 AM **Impact of Clearance Holes in Flow Drill Screw Joints**
Amanda Freis, Ford Motor Company, USA; Nicholas Dornik, Atlas Copco, USA

11:30 AM **Overcoming New Challenges in Flow Drill Screw Driving: Robot Stability and Material Variability**
Michael Schreyer, WEBER Schraubautomaten GmbH, DE

12:00 PM **Digital Transformation of Spot Welding from Planning to Production with Simulation, Optimization and Digital Twins**
Dr. Wenqi Zhang, SWANTEC Software and Engineering ApS, DK

12:30 PM **Lunch Break & Networking**

SMART QUALITY ASSURANCE AND DATA-DRIVEN MANUFACTURING

1:30 PM **Numerical Studies on the Correlation Between Laser Welding Processes and Spectrum Traces in Cell Interconnects**
Zixuan Wan, General Motors, USA

2:00 PM **Transforming Automotive Material Simulation: Digital Materials Hub and Virtual Material Data Card**
Arnob Banik, 3M, USA

IMPULSE: ELECTRICAL JOINING STRATEGIES

2:30 PM **Signal Integrity and EMI Co-Design for Distributed Battery Modules: Functional Safety-Aligned Electrical Joining Strategies for Next-Generation EV Body Architectures**
Abdul Salam Abdul Karim, Automotive Electronics Engineer and Independent Researcher, USA

3:00 PM **Closing Remarks**
OEM Advisory Board

3:10 PM **Farewell**
Dr. Dirk Meine, Automotive Circle, DE

3:15 PM **End of Conference | Coffee & Contacts**

* Conference program is subject to change
Status as of: February 6, 2026



REGISTER NOW!