# International Automotive Body Congress (IABC 2025 Vaals)

**Presentations** 

Vaals, Netherlands 25-26 June 2025

**Editors:** 

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**HYBRID PROGRAM - In Person and Live Virtual** 

**Agenda Below:** 

Duration of Each Presentation - 30 min.

## **June 25:**

8:00 am to 10:00 am - Booth Set up.

## **June 25:**

PG # 10:00 am - Registration

10:30 am - 12:30 pm - Plenary Session, Chair - Michael Müller, Vice President, HOERBIGER Antriebstechnik Holding GmbH

10:30 am

1 Trends in Automotive Exteriors Systems

Michael Müller, Vice President, HOERBIGER Antriebstechnik Holding GmbH

11:00 am

N/A Chamber of Commerce

Mark Tomkins, Chief Executive Officer (CEO), German American Chamber of Commerce of the Midwest, Inc. - GACC Midwest

11:30 am

3 Stellantis: Challenges of sustainability

Heike Kantereit, Global Team Lead, Stellantis

12:00 pm

Discussions

12:30 pm - 1:30 pm - Lunch

1:30 pm - 2:30 pm Plenary Session, Chair - Michael Müller, Vice President, HOERBIGER Antriebstechnik Holding GmbH

1:30 pm

Continuing a History of Aluminum Innovation to Address Automotive Challenges

JP McGuire, Global Director – Automotive, Commercial Transportation/Industrial, and Brazing

Product Technology, Arconic

2:00 pm

3D Cameras and AI for Advanced Driver Monitoring Systems: Healthcare in the Vehicle Mohammed N. Islam, PhD, Professor, The University of Michigan





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2:30 pm - 3:00 pm - Coffeee Break

3:00 pm - 5:30 pm - Product Introductions, Chair Michael Müller, Vice President, HOERBIGER Antriebstechnik Holding GmbH

#### **Novelis**

35 3:00 pm

New High Recycled Content Aluminum Alloys for Deep Draw Door Inner Panels

Eduardo Chuc Gamboa, Technical Development Engineer Don Whitacre, Director, Auto Technical Development

#### **US Steel**

3:30 pm

The Future of Steel – The Roadmap to Net Zero Emissions Conan Crawley, Industry Market Manager – Automotive

#### **HOERBIGER:**

4:00

N/A ePDO - Electro-mech Power Door Opener Michael Mueller, Vice President

#### **General Motors:**

4:30 pm

52 Cadillac Escalade IQ - Side Closures
Suresh Udupi, Closures Integration Lead

5:00 pm

64 Front Closures

Derek L. Patterson, Global Chief Body Architect – Rear Zone Trevor Winch, Front Integration Architect James Smith, Senior DRE Front End Closures

5:30 pm - 6:00 pm - Discussions





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## **June 26:**

9:00 am - Registration

9:30 am - 11:00 am - Digital Manufacturing & Materials Technologies, Chair, Bernardo Barile, Technical Market Development Manager, CBMM

#### 9:30 am

N/A Effects of Nb and Ti addition on the microstructure and tensile properties in the welds of 1.0 GPagrade automotive steel

**Gyu-Yeol Bae, PhD, POSCO** - Steel Solutions Research Lab **Bernardo Barile, Caio Pisano**, CBMM Europe BV

10:00 am

74 Laser Cutting Technology Advancement - Detailing Advantages of Coil Fed Laser Blanking
Jay Finn Sales Engineer / LaserCoil Product Manager
Nidec Automatic Feed Company

10:30 am

Balancing global and local formability properties through Nb microalloying Hardy Mohrbacher, PhD, NiobelCon BV Bernardo Barile, Caio Pisano, CBMM Europe BV Brandon Hance, PhD, CBMM North America, Inc.

11:00 am - 11:30 am Coffee Break

11:30 am

FuxiBase, the high integrated steel solution of future EV underbody Han Fei, PhD, Chief Engineer, Automotive Steel Research Department Central Research Institute (R&D Center), Baoshan Iron & Steel CO., LTD.

12:00 pm

117 Effect of Ti Content on the Mechanical Properties and Precipitation Behavior of Cold Rolled High Strength Low Alloys

Chang Geun Lee; Sang hun Shin; Jong Myeong Kim; Jong hyun Jeong; Kwang Su Na Hyundai-Steel

Alexander Gramlich, Asmaa Elbeltagy, Ulrich Krupp RWTH Aachen university





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12:30 pm - 1:30 pm Lunch

## 1:30 pm – 4:30 pm Materials and Structural Optimization, Chair - Mario Padovani, Chief Executive Officer, Baosteel Tailored Blanks

1:30 pm

125 Latest Development of Integrated Hot-Stamping Double Door Ring Mario Padovani, Managing Director, Baosteel

2:00 pm

139 Improving welding productivity with AI-Based Vision Charles Caristan, PhD, Senior Global Market Director Zongyao Chen, PhD Senior Research Scientist Air Liquide

2:30 pm

Predictive Models for Axial Crash Strength of Extruded Multi-Cell Aluminum Structures
Sudip Bhattacharjee, PhD, Benjamen McClain, Chunhui Lee, PhD, Aleksandar Bach, Ikram
Mohiuddin, Kerrie Maron, Michael Jones, Mathew Eberle
Product Development (Vehicle Crash Safety), Ford Motor Company
Ford Motor Company

3:00 pm

Through – Process Material Modeling in Ultra-large Aluminum Casting Development Qigui Wang, PhD, Andy Wang, PhD, General Motors

3:30 pm - 4:00 pm - Discussions & Closing Remarks, Nasim Uddin, PhD

4:30 pm - Adjournment

