

GREAT DESIGNS IN STEEL™

— MAY 20, 2026 —
SYMPOSIUM PREVIEW

MORNING KEYNOTE ADDRESS

Kevin Dempsey, President & Chief Executive Officer, American Iron & Steel Institute - Welcome
John Cardwell, Chief Marketing Officer & Vice President, Automotive Sales, ArcelorMittal North America -
"From Commitment to Capability: Shaping the Future of Automotive Solutions in North America"

| TRACK 1 STRUCTURAL SOLUTIONS | TRACK 2 MATERIALS & MANUFACTURING | TRACK 3 MATERIALS & JOINING |
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| <p>DESIGN & DEVELOPMENT OF A BOLTED-ON FRONT CRUSH STRUCTURE FOR ENHANCED PLATFORM MODULARITY Abhishek Das & Deepak Theja, Rivian</p> | <p>FULL DIGITALIZATION APPROACH TO STRENGTHEN STAMPING & BODY-IN-WHITE ENGINEERING Stéphane Andrietti, AutoForm</p> | <p>VIRTUAL WELDING QUALITY ASSESSMENT & AI-DRIVEN WELDING PARAMETER OPTIMIZATION Dr. Tarek Belgasam, Honda R&D, Zhendan Xue, ESTECO North America Inc. & Nick Avedissian, Cadence</p> |
| <p>3D REINFORCED BLANKS: LASER ADDITIVE SOLUTIONS FOR LOCALIZED BIW STIFFNESS Sebastian Busch & Nachiket Gokhale, ArcelorMittal Tailored Blanks</p> | <p>PROTOTYPE DEVELOPMENT OF AHSS STEEL BATTERY ENCLOSURES: FORMING PROCESS INSIGHTS & CORRELATION WITH NUMERICAL SIMULATION Dr. Caroline Kella, ArcelorMittal, Global R&D</p> | <p>COMPARATIVE ANALYSIS OF FASTENER JOINING OF PROJECTION WELDING & MECHANICALLY Rob Edwards, PROFIL</p> |
| <p>ADVANCING UNDERSTANDING IN FORMING & FRACTURE IN 3RD GEN STEELS Brian Lin, ArcelorMittal Global R&D</p> | <p>ENHANCING ACCURACY IN STAMPING ANALYSIS THROUGH COUPLED VIRTUAL DEFORMATION SIMULATION FOR IMPROVED PART PERFORMANCE Sarah Maharajan, Keysight Technologies</p> | <p>FATIGUE INVESTIGATION ON TRB WORK HARDENED & WELDED SAMPLES Dr-Ing. Thiago Rausch, Mubea & Tim Korschinsky, Fraunhofer LBF</p> |

PRESENTATION OF THE AUTOMOTIVE EXCELLENCE AWARD AFTERNOON KEYNOTE ADDRESS

Elizabeth Krear, CEO, Center for Automotive Research (CAR) -
"State of the Automotive Industry"

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| <p>STEEL SIDE SILL TUBULAR DESIGN FOR BATTERY PROTECTION OF BEV/HPEV Harsha Kusnoorkar, Hyundai America Technical Center & Miao Yu, Cleveland-Cliffs</p> | <p>SIMPLIFYING ROLL FORMING OF UHSS/AHSS MATERIALS Dr-Ing. Cornelia Tepper, Dreistern</p> | <p>SELECTING THE BEST DIC LENGTHSCALES FOR MATERIAL TESTING & SIMULATION Dr. Cliff Butcher, University of Waterloo</p> |
| <p>NEXT-GENERATION BODY ARCHITECTURE ENABLED BY STEEL TUBE AIR FORMING (STAF) Ryuichi Funada, Sumitomo & Dr. Kazuhiro Saitou, University of Michigan</p> | <p>SUPPLY CHAIN RESILIENCY: REPLACING ALUMINUM WITH STEEL TO AVOID MANUFACTURING DISRUPTIONS Dr. Yu-Wei Wang & Scott Stevens, Cleveland-Cliffs</p> | <p>EFFECT OF METALLIC COATINGS ON THE FORMING CHARACTERISTICS OF AUTOMOTIVE SHEET STEEL Ming Shi, General Motors & Dr. Sobhan Nazari, Cleveland-Cliffs</p> |
| <p>DIGITAL TWIN MATERIAL CHARACTERIZATION OF DUAL-PHASE STEELS USING LINOVIS: FROM STRAIN-RATE EFFECTS TO AUTOMATED 3D-DIC FORMING LIMIT EVALUATION Dr. Martin Schwab, 4a-Engineering GmbH & Dr. Akbar Farahani, eSavant</p> | <p>MICROSTRUCTURE DIFFERENCES DRIVING FORMABILITY BEHAVIOR IN AHSS Sarah Tedesco, General Motors</p> | <p>COMPARATIVE STUDY ON FRACTURE RESISTANCE OF ULTRA-HIGH-STRENGTH PHSS Jun Hu, Cleveland-Cliffs</p> |
| <p>EFFICIENT AHSS & UHSS STEELS FRONT END DESIGNS AS GIGA CASTING ALTERNATIVES Madhu Jampala, Detroit Engineered Products & John Catterall, Auto/Steel Partnership</p> | <p>PREPARING TOMORROW'S ENGINEERS: A MODEL FOR INDUSTRY-UNIVERSITY COLLABORATION Mike Davenport, Auto/Steel Partnership</p> | <p>STYLED STEEL WHEELS FOR ELECTRIFIED VEHICLES ADVANTAGES Louis Belli, Maxion Wheels</p> |

CLOSING REMARKS / PLENARY SESSION NETWORKING RECEPTION