

# GREAT DESIGNS IN STEEL

May 22, 2024

Full Agenda

Time EDT	LOCATION		
	MAIN HALL		
7:00 AM	DOORS OPEN & BREAKFAST SERVED		
8:00 AM	<p><b>WELCOME &amp; KEYNOTE ADDRESS</b> Kevin Dempsey - President and Chief Executive Officer, American Iron and Steel Institute - Welcome Remarks &amp; Keynote Introduction Brad Davey - Executive Vice President, Corporate Business Optimisation / Global Auto, ArcelorMittal</p> <p><b>OEM FEATURED PRESENTATION</b> Dr. Hoda Eiliat - Structure Lead Integration Engineer, General Motors Chevrolet Blazer EV - Body Structure</p>		
9:15 AM	BREAK		
	<b>TRACK 1</b> OEM & EV ARCHITECTURES	<b>TRACK 2</b> MATERIALS & MANUFACTURING	<b>TRACK 3</b> JOINING / WELDING / FASTENING
9:45 AM	<p><b>STEEL-INTENSIVE BATTERY ENCLOSURE STRUCTURE (SIBES)</b> Yu-Wei Wang, Cleveland-Cliffs &amp; Tom Wormald, ArcelorMittal on behalf of AISI</p>	<p><b>RISKS OF GENERIC MATERIAL CARD USAGE</b> Dr. Danny Schaeffler, Engineering Quality Solutions, Eren Billur, Billur Metal Form &amp; Vince Millioto, Martinrea International</p>	<p><b>ADVANCED INDUSTRIAL SIMULATION METHOD FOR SPOT WELD SEPARATION VALIDATED WITH COMPONENTS</b> Dr. Tingting Zhang, General Motors</p>
10:15 AM	<p><b>STEEL E-MOTIVE: STEEL INTENSIVE RIDE SHARING VEHICLE CONCEPTS DELIVER SUSTAINABLE &amp; AFFORDABLE MOBILITY SOLUTIONS</b> George Coates &amp; Russ Balzer, WorldAutoSteel</p>	<p><b>GENERATING HIGH QUALITY MATERIAL CARDS THROUGH ROBOT-ASSISTED TESTING</b> Dirk Mohr, Christian Roth &amp; Vincent Grolleau, ETH Zurich</p>	<p><b>AHSS/UHSS ALTERNATIVE JOINING FATIGUE PERFORMANCE</b> Bryan Macek, Stellantis on behalf of Auto/Steel Partnership</p>
10:45 AM	BREAK		
11:00 AM	<p><b>CLEVELAND-CLIFFS BATTERY ENCLOSURE (CCBE)</b> Miao Yu, Cleveland-Cliffs</p>	<p><b>GIGA HOT STAMP PRODUCTS FOR ELECTRIFIED VEHICLES</b> Paul Belanger, Gestamp</p>	<p><b>BOUNDARY CONDITION INFLUENCE ON EDGE FRACTURE OF A 980GEN3 AHSS</b> Advait Narayanan, University of Waterloo</p>
11:30 AM	<p><b>ARCELORMITTAL MULTI PART INTEGRATION™: PIONEERING NEW BEV ADVANCED BATTERY ENCLOSURE DESIGN</b> Nachiket Gokhale, ArcelorMittal Tailored Blanks Americas</p>	<p><b>DIE WEAR TESTING - PHASE 2, OEM ADDITIONAL MATERIALS</b> J.P. Singh, General Motors on behalf of Auto/Steel Partnership</p>	<p><b>DAMAGE-BASED FRACTURE MODELLING OF MILD AND ADVANCED HIGH STRENGTH STEEL</b> Cliff Butcher, University of Waterloo</p>
12:00 PM	LUNCH IN MAIN HALL AUTOMOTIVE EXCELLENCE AWARD PRESENTATION		
1:00 PM	<p><b>ELECTRIC VEHICLES, SUSTAINABILITY &amp; STEEL</b> Michael Davenport, Auto/Steel Partnership</p>	<p><b>ADDITIVE METALS - PHASE II, DIRECT ENERGY DEPOSITION (D.E.D.)</b> Jonathan Ellert, General Motors on behalf of Auto/Steel Partnership</p>	<p><b>DEVELOPMENT AND BENEFITS OF MECHANICALLY ATTACHED FASTENERS FOR PRESS HARDENED STEEL</b> Wouter Kleizen &amp; Rob Edwards, Profil</p>
1:30 PM	<p><b>TOWARD THE DEVELOPMENT OF A REAL DIGITAL TWIN FOR AUTOMOTIVE STEEL STAMPING</b> Jason Ryska, Ford Motor Company</p>	<p><b>CAE MATERIAL MODELING &amp; TEST CORRELATION OF COST-EFFECTIVE TRB COLD STAMPINGS</b> Guido Borgna &amp; Parveen Panchal, Mubea Tailored Rolled Blanks</p>	<p><b>GAS METAL ARC BRAZING - LME SUSCEPTIBILITY</b> Justin Hunt, Stellantis on behalf of Auto/Steel Partnership</p>
2:00 PM	BREAK		
2:15 PM	<p><b>INNOVATIVE STEEL COLD PLATE FOR BATTERY PACKS: A COMPREHENSIVE ANALYSIS OF WELDING FEASIBILITY AND CORROSION</b> Yannis Kheyati, ArcelorMittal</p>	<p><b>COATING FREE PRESS HARDENED STEEL IN TUBULAR APPLICATIONS</b> Sarah Tedesco, General Motors</p>	<p><b>ENHANCED RESISTANCE SPOT WELDING QUALITY CONTROL: A MACHINE LEARNING APPROACH</b> Zhili Feng, Oak Ridge National Laboratory</p>
2:45 PM	<p><b>MULTI-CELL UHSS SIDE SILLS FOR BATTERY ELECTRIC VEHICLES</b> Hannes Fuchs, Multimatic</p>	<p><b>EXPLORING THE LATEST LIGHTWEIGHT DESIGN: STEEL TUBE AIR FORMING (STAF)</b> Ryuichi Funada, Sumitomo Heavy Industries, USA Inc.</p>	<p><b>PROCESS COMPARISON OF HOT WIRE LASER AND GMAW ON HSLA &amp; GEN III STEELS</b> Yen-Chih Liao &amp; Austin Croft, The Lincoln Electric Company</p>
3:15 PM	<p><b>INNOVATION IN BODY-IN-WHITE REINFORCEMENTS USING WIRE LASER ADDITIVE MANUFACTURED B-PILLAR CONCEPT</b> Cristian Alvarez Robledo, ArcelorMittal Tailored Blanks Americas</p>	<p><b>ULTRALUME® STEELS FOR HOT STAMPING OF AUTOMOTIVE STRUCTURAL COMPONENTS</b> Eliseo Hernandez-Duran, Cleveland-Cliffs</p>	<p><b>EFFECT OF LME CRACKING ON MECHANICAL PROPERTIES OF GEN3 STEEL SPOT WELDS</b> Fernando Okigami, The Ohio State University</p>
3:45 PM	BREAK		
4:00 PM	<p><b>DISCREPANT PAINT-BAKING IMPACT ON AHSSs AND HSAs USED IN BEV STRUCTURES</b> Jun Hu, Cleveland-Cliffs</p>	<p><b>AN ADVANCED TRIBOLOGICAL MODEL FOR ACCURATE PRESS HARDENING SIMULATION</b> Kidambi S. Kannan, AutoForm Engineering USA, Inc.</p>	<p><b>REPAIRABILITY OF AHSS: ZINC REMOVAL &amp; HOLE SIZE STUDY</b> Justin Hunt, Stellantis on behalf of Auto/Steel Partnership</p>
4:30 PM	<p><b>TAILORED PROPERTIES IN ADVANCED HOT STAMPED BIW APPLICATIONS USING THE TEMPERBOX TECHNOLOGY</b> Paul Deller, GEDIA Automotive</p>	<p><b>THE NEXT ERA IN STAMPING TECHNOLOGY (NEST) "HYBRID STAMPING"</b> Vince Millioto, Martinrea International</p>	<p><b>MECHANICAL PROPERTIES OF RESISTANCE SPOT WELDS: IN-SITU PWHT &amp; LOAD-BASED FRACTURE MODEL ASSESSMENT</b> Olakunle Betiku &amp; Mohammad Shojaee, University of Waterloo</p>
5:00 PM	NETWORKING RECEPTION		
6:00 PM	EXHIBIT HALL CLOSURES		