

# GREAT DESIGNS IN STEEL

May 24, 2023

Final Agenda

Time EDT	LOCATION		
	MAIN HALL		
7:00 AM	DOORS OPEN & BREAKFAST SERVED		
8:00 AM	<b>MORNING KEYNOTE ADDRESS</b> Chris Kristock, Vice President, AISI Automotive Program Remarks Lourenco Goncalves, Chairman, President and CEO, Cleveland-Cliffs Inc. Chris Michaels, Director, Global Body Structure and Integrated Systems, General Motors Company		
9:00 AM	BREAK		
	<b>TRACK 1 EV ARCHITECTURE</b>	<b>TRACK 2 MATERIALS</b>	<b>TRACK 3 WELDING, JOINING &amp; MANUFACTURING</b>
9:15 AM	<b>GMC HUMMER EV SUV BODY STRUCTURE</b> James Veal Jr. & Stephen Dissler, General Motors Company; William (Bill) Perry, Cosma-Magna; David Seiter, Shape Corporation	<b>EVALUATION OF DAMAGE ACCUMULATION FRACTURE MODELS IN NON-LINEAR STRAIN PATHS</b> Cliff Butcher, University of Waterloo on behalf of A/SP	<b>STRETCH BENDABILITY EVALUATION OF MONOLITHIC &amp; LASER WELDED BLANKS</b> Sobhan Nazari Tiji, Cleveland-Cliffs
9:45 AM		<b>ON TRUE FRACTURE STRAIN OF AHSS SHEETS: MEASUREMENT &amp; DERIVATION</b> Dr. Jun Hu, Cleveland-Cliffs	<b>GMAW CONSUMABLE INNOVATIONS TO IMPROVE WELDING QUALITY ON ZINC-COATED STEELS</b> Taylor Dittrich and Corey Cox, Lincoln Electric
10:15 AM	BREAK		
10:30 AM	<b>INNOVATIVE STEEL BATTERY HOUSING</b> Sergio Faria Rodriguez, GESTAMP	<b>CFPHS COMPONENT COMPARISON: SIMULATION VS. PHYSICAL TESTING</b> Sarah Tedesco, General Motors Company	<b>TECHNIQUE TO IMPROVE THE MECHANICAL PERFORMANCE OF PRESS-HARDENED STEEL SPOT WELDS</b> Olakunle Betiku, University of Waterloo on behalf of A/SP
11:00 AM	<b>A NEW STEEL TUBE DESIGN FOR BEV BATTERY ENCLOSURE PROTECTION</b> Miao Yu, Cleveland-Cliffs	<b>DEVELOPMENT &amp; APPLICATION OF NEW UHS MULTI-PHASE GRADES</b> Brian Oxley, Shape Corp. & Stefano Lepre, ArcelorMittal	<b>EVALUATION OF IN-SITU MONITORING METHOD TO OBSERVE LME CRACKING BEHAVIOR</b> JiUng Kim, University of Waterloo on behalf of A/SP
11:30 AM	LUNCH IN MAIN HALL AUTOMOTIVE EXCELLENCE AWARD PRESENTATION		
12:30 PM	<b>A CATALOG OF DESIGN SOLUTIONS FOR BEV BATTERY ENCLOSURES</b> Kevin Eldridge, ArcelorMittal	<b>STRAIN &amp; BAKE PROPERTIES OF UHSS</b> Dr. Haea Lee, POSCO on behalf of A/SP	<b>ADVANCED TESTING METHOD FOR SPOT-WELD SEPARATION UNDER DYNAMIC LOADING MODE</b> Dr. TingTing Zhang, General Motors Company on behalf of A/SP
1:00 PM	<b>MULTI PART INTEGRATION CONCEPTS FOR INNOVATIVE BEV BODY ARCHITECTURE</b> Nachiket Gokhale, ArcelorMittal Tailored Blanks Americas	<b>HYBRID BEAD DEVELOPMENT &amp; VALIDATION</b> Chris Roman, General Motors Company on behalf of A/SP	<b>MODELING OF RESISTANCE SPOT WELDS IN 3RD GEN AHSS FOR USE IN CAE SIMULATIONS OF VEHICLE CRASH</b> Abdelbaset R. H. Midawi and Cameron Tolton, University of Waterloo on behalf of A/SP
1:30 PM	BREAK		
1:45 PM	<b>EV CRASH/LIGHTWEIGHT COMBO MADE OF OLPB DOOR RING &amp; WAVE ROCKER</b> Dean Bartolomucci, GESTAMP	<b>EDGE FRACTURE CHARACTERIZATION OF GI 980 USING HALF-DOME TEST</b> Gang Huang, ArcelorMittal	<b>ACCRA HOT FORMED BUMPER BEAM TO REPLACE ALUMINUM</b> Mark Sullivan & Eric Vanderbilt, Multimatic
2:15 PM	<b>MECHANICAL FASTENING SOLUTIONS FOR BATTERY TRAYS: DESIGN, TESTING &amp; VALIDATION</b> Eric Weber, PROFIL	<b>HOT STAMPING DIE DEVELOPMENT AND PROCESS SIMULATION PHS 1500 AS</b> Tim Lim, ArcelorMittal & Mike Austin, American Tooling Center	<b>NON-LINEAR TAILOR WELDED BLANKS APPLICATION IN CHASSIS FRAME</b> Graeme Ackersviller & Eric Geng, Toyota Manufacturing North America
2:45 PM	<b>STAF PROCESS MAXIMIZES LIGHTWEIGHTING OF CAR BODY FRAME</b> Ryuichi Funada, Sumitomo Heavy Industries	<b>NEW SAE SPECIFICATIONS SUPPORTING A/SP, AUTO OEMS &amp; THE STEEL INDUSTRY</b> Alan Pearson, Whitehorse Mfg. Quality Consultants	<b>INSIGHTS MEASURING THE PRESS TONNAGE OF 3RD GEN AHSS STAMPINGS</b> Vince Millioto, Martinrea on behalf of A/SP
3:15 PM	BREAK		
3:30 PM	<b>STEEL E-MOTIVE: DEVELOPMENT OF AHSS BODY STRUCTURE FOR FULLY AUTONOMOUS MAAS</b> Dean Kanelos, Nucor & Juan Pablo Pedraza, WorldAutoSteel	<b>NON-ORIENTED ELECTRICAL STEELS FOR AUTOMOTIVE APPLICATIONS</b> Chris Jones, Cleveland-Cliffs	<b>DIE WEAR TESTING - AHSS EG/GI COATED</b> J.P. Singh, General Motors Company on behalf of A/SP
4:00 PM	<b>EFFICIENT PRODUCTION OF STRUCTURAL COMPONENTS FOR ELECTRIC VEHICLES WITH ROLL FORMING</b> Dr. Tilman Traub, Dreistern GmbH & Co. KG		<b>COST EFFECTIVE COLD FORMING SOLUTIONS WITH TAILOR ROLLED PRODUCTS</b> Markus Zoernack & Torben Wilks, Mubea Tailor Rolled Blanks
	MAIN HALL		
4:30 PM	<b>PANEL DISCUSSION</b> <b>THE IMPACT OF ELECTRIFICATION AND BATTERY STORAGE SYSTEMS ON AUTOMOTIVE BODY STRUCTURES</b> Moderator: Paul Belanger, GESTAMP Panelists: Bertrand Rakoto, Ducker Carlisle; Sergio Faria Rodriguez, GESTAMP; Ed Elliott, PreScouter Inc.		
5:00 PM	NETWORKING SOCIAL HOUR		
6:00 PM	EXHIBIT HALL CLOSES		