

GREAT DESIGNS IN STEEL

May 24, 2023
Preliminary Agenda

Time EST	LOCATION		
	MAIN HALL		
7:00 AM	DOORS OPEN & BREAKFAST SERVED		
8:00 AM	<p>MORNING KEYNOTE ADDRESS Chris Kristock, Vice President, AISI Automotive Program Remarks Lourenco C. Goncalves, Chairman, President and CEO, Cleveland-Cliffs Inc. Chris Michaels, Director, Global Body Structure and Integrated Systems, General Motors Company</p> <p>AUTOMOTIVE EXCELLENCE AWARD PRESENTATION</p>		
9:00 AM	BREAK		
	TRACK 1 EV ARCHITECTURE	TRACK 2 MATERIALS	TRACK 3 WELDING, JOINING & MANUFACTURING
9:15 AM	GENERAL MOTORS VEHICLE PROGRAM	STAMPING EVALUATION OF LASER WELDED BLANKS WITH DP980 STEEL Hyunok Kim, EWI on behalf of A/SP	NON-LINEAR TAILOR WELDED BLANKS APPLICATION IN CHASSIS FRAME Graeme Ackersville & Eric Geng, Toyota Manufacturing North America
9:45 AM	INNOVATIVE STEEL BATTERY HOUSING Sergio Faria Rodriguez, GESTAMP	EDGE FRACTURE CHARACTERIZATION OF DP 980 GI USING HALF-DOME TEST Gang Huang, ArcelorMittal	GMAW CONSUMABLE INNOVATIONS TO IMPROVE WELDING QUALITY ON ZINC-COATED STEELS Taylor Dittrich & Corey Cox, Lincoln Electric
10:15 AM	BREAK		
10:30 AM	NEW STEEL TUBE DESIGN FOR BEV BATTERY ENCLOSURE PROTECTION Miao Yu, Cleveland-Cliffs	CFPHS COMPONENT COMPARISON: SIMULATION VS. PHYSICAL TESTING Sarah Tedesco, General Motors Company	TECHNIQUE TO IMPROVE THE MECHANICAL PERFORMANCE OF PRESS-HARDENED STEEL SPOT WELDS Olakunle Betiku, University of Waterloo on behalf of A/SP
11:00 AM	A CATALOG OF DESIGN SOLUTIONS FOR BEV BATTERY ENCLOSURES Kevin Eldridge, ArcelorMittal	A NEW COATING DEVELOPED FOR HOT STAMPED STEEL PARTS Dean Kanelos, Nucor & Constantin Chiriac, Ford Motor Company	EVALUATION OF IN-SITU MONITORING METHOD TO OBSERVE LME CRACKING BEHAVIOR JiUng Kim, University of Waterloo on behalf of A/SP
11:30 AM	LUNCH IN MAIN HALL		
12:30 PM	MULTI PART INTEGRATION CONCEPTS FOR INNOVATIVE BEV BODY ARCHITECTURE Nachiket Gokhale, ArcelorMittal Tailored Blanks Americas	DEVELOPMENT & APPLICATION OF NEW UHS MULTI-PHASE GRADES Brian Oxley, Shape Corp. & Stefano Lepre, ArcelorMittal	ADVANCED TESTING METHOD FOR SPOT-WELD SEPARATION UNDER DYNAMIC LOADING MODE Dr. TingTing Zhang, General Motors Company on behalf of A/SP
1:00 PM	EV CRASH/LIGHTWEIGHT COMBO MADE OF OLPB DOOR RING & WAVE ROCKER Dean Bartlomucci, GESTAMP	STRAIN AND BAKE PROPERTIES OF UHSS Dr. Haea Lee, on behalf of A/SP	MODELLING OF RESISTANCE SPOT WELDS IN 3RD GEN AHSS FOR USE IN CAE SIMULATIONS OF VEHICLE CRASH Abdelbaset R H Midawi and Cameron Tolton, University of Waterloo on behalf of A/SP
1:30 PM	BREAK		
1:45 PM	MECHANICAL FASTENING SOLUTIONS FOR BATTERY TRAYS: DESIGN, TESTING & VALIDATION Eric Webber, PROFIL	EVALUATION OF DAMAGE ACCUMULATION FRACTURE MODELS IN NON-LINEAR STRAIN PATHS Cliff Butcher, University of Waterloo on behalf of A/SP	INSIGHTS MEASURING THE PRESS TONNAGE OF 3RD GEN AHSS STAMPINGS Vince Millioto, Martinrea, on behalf of A/SP
2:15 PM	STAF PROCESS MAXIMIZES LIGHTWEIGHTING OF CAR BODY FRAME Ryuichi Funada, Sumitomo Heavy Industries	ON TRUE FRACTURE STRAIN OF AHSS SHEETS: MEASUREMENT AND DERIVATION Dr. Jun Hu, Cleveland-Cliffs	DIE WEAR TESTING - AHSS EG/GI COATED J.P. Singh, General Motors Company on behalf of A/SP
2:45 PM	STEEL E-MOTIVE: DEVELOPMENT OF AHSS BODY STRUCTURE FOR FULLY AUTONOMOUS MAAS Dean Kanelos, Nucor & Juan Pablo Pedraza	ACCRA HOT FORMED BUMPER BEAM TO REPLACE ALUMINUM Mark Sullivan, Multimatic	STRETCH BENDABILITY EVALUATION OF MONOLITHIC & LASER WELDED BLANKS Sobhan Nazari Tiji, Cleveland-Cliffs
3:15 PM	BREAK		
3:30 PM	EFFICIENT PRODUCTION OF STRUCTURAL COMPONENTS FOR ELECTRIC VEHICLES WITH ROLL FORMING Dr. Tilman Traub, Dreistern GmbH & Co.KG	NEW SAE SPECIFICATIONS SUPPORTING A/SP, AUTO OEM'S AND THE STEEL INDUSTRY Alan Pearson, Whitehorse Mfg. Quality Consultants	COST EFFECTIVE COLD FORMING SOLUTIONS WITH TAILOR ROLLED PRODUCTS Markus Zoernack, Mubea Tailor Welded Blanks
4:00 PM	HOT STAMPING DIE DEVELOPMENT AND PROCESS SIMULATION PHS 1500 AS Tim Lim, ArcelorMittal & Mike Austin, American Tooling Center	NON-ORIENTED ELECTRICAL STEELS FOR AUTOMOTIVE APPLICATIONS Chris Jones, Cleveland-Cliffs	HYBRID BEAD DEVELOPMENT AND VALIDATION Chris Roman, General Motors Company on behalf of A/SP
	MAIN HALL		
4:30 PM	AFTERNOON PANEL Steel's Role in Vehicle Electrification and Battery Storage Systems for EV Automotive Body Structures Moderator: Paul Belanger, R&D Director North America, GESTAMP		
5:00 PM	COCKTAIL/SOCIAL HOUR		
6:00 PM	EXHIBIT HALL CLOSES		