

GREAT DESIGNS IN STEEL

TWENTY YEARS

May 18, 2022

Time EST	LOCATION		
	MAIN HALL		
7:00 AM	DOORS OPEN & BREAKFAST SERVED		
8:00 AM	<p>MORNING KEYNOTE ADDRESS John Catterall, Vice President, AISI Automotive Program, 20th Anniversary Remarks Carla Bailo, President & CEO of the Center for Automotive Research (CAR) Rex Query, Executive VP of Sheet & Tubular Products, Nucor Corporation</p> <p>AUTOMOTIVE EXCELLENCE AWARD PRESENTATION</p>		
9:00 AM	BREAK		
	TRACK 1	TRACK 2	TRACK 3
9:15 AM	<p>2022 HONDA CIVIC (NORTH AMERICAN CAR OF THE YEAR) Jill Fuel, Honda Development & Manufacturing of America</p>	<p>EVALUATION OF LME CRACKING SEVERITY IN HOMOGENEOUS & HETEROGENEOUS JOINTS OF 3RD GEN AHSS Kevin Teng, General Motors, on behalf of A/SP</p>	<p>SMART FACTORY - ROLL FORMING 4.0 Dr. Tilman Traub, Dreistern GmbH & Co. KG</p>
9:45 AM	<p>2021 NISSAN ROGUE Jason Layman, Nissan Technical Center NA</p>	<p>CHARACTERIZATION OF MECHANICAL PROPERTIES & FAILURE BEHAVIOR OF 3RD GEN AHSS SPOT WELDS Mohammad Shojaee, University of Waterloo, on behalf of A/SP</p>	<p>DEVELOPMENT OF STAF (STEEL TUBE AIR FORM) PROCESS MAXIMIZING LIGHTWEIGHTING IN STEEL AUTOMOTIVE BODIES & FRAMES Ryuichi Funada, Sumitomo Heavy Industries</p>
10:15 AM	BREAK		
10:30 AM	<p>STEEL E-MOTIVE: DEVELOPMENT OF AHSS STRUCTURE FOR FULLY AUTONOMOUS VEHICLES George Coates, WorldAutoSteel & Neil McGregor, Ricardo Automotive & Industrial Division</p>	<p>MPI (MEGA-PART INTEGRATION) USING PRESS HARDENED STEEL LASER WELDED BLANKS Nachiket Gokhale, ArcelorMittal Tailored Blanks Americas</p>	<p>APPLICATION OF NEW COLD FORMING FLEXIBLE ROLLED AHSS Markus Zoernack, Mubea Tailor Rolled Blanks</p>
11:00 AM	<p>WELDABILITY INVESTIGATION OF 3RD GEN AHSS FOR AUTOMOTIVE MANUFACTURING Kate Namola, Toyota Motor NA</p>	<p>A NOVEL TECHNIQUE TO MEASURE THE LOCAL MECHANICAL PROPERTIES OF 3RD GEN AHSS RESISTANCE SPOT WELDS AbdelBaset Midawi, University of Waterloo, on behalf of A/SP</p>	<p>FORMABILITY EVALUATIONS OF THE LASER-WELDED BLANK OF AHSS Hyunok Kim, EWI, on behalf of A/SP</p>
11:30 AM	LUNCH IN MAIN HALL		
12:30 PM	<p>A PRIMER ON SUSTAINABILITY & THE ROLE OF STEEL Brandie Sebastian, American Iron and Steel Institute</p>	<p>INNOVATIVE JOINING OF FUNCTIONAL ELEMENTS IN PHS DURING HOT FORMING Dr. Amer Mahlme, PROFIL</p>	<p>ADVANCED JOINING TECHNIQUES IN COLLISION REPAIR Scott VanHulle, I-CAR</p>
1:00 PM	<p>SOLUTIONS FOR LIGHT DUTY FRAME, BATTERY ELECTRIC VEHICLES & WELDING AHSS Isaac Luther, TWB</p>	<p>INSIGHTS FROM MEASURING THE PRESS TONNAGE OF 3RD GEN AHSS STAMPING Vince Millioto, Martinrea, on behalf of A/SP</p>	<p>SUSTAINABLE LIGHTWEIGHT BATTERY ENCLOSURE DESIGN WITH MULTIPLE AHSS STEELS Sajan George Elengikal, Cleveland-Cliffs</p>
1:30 PM	BREAK		
1:45 PM	<p>COST-EFFECTIVE, FLEXIBLE, SCALABLE HV BATTERY ENCLOSURE SOLUTIONS Juan Armendariz, KATCON & Adam Halsband, Forward Engineering</p>	<p>METHODOLOGIES TO CHARACTERIZE 3RD GEN AHSS FOR VIRTUAL PRODUCT DESIGN Cliff Butcher, University of Waterloo</p>	<p>LASER WELDED COATING-FREE PRESS HARDENING STEELS Sarah Tedesco, General Motors</p>
2:15 PM	<p>NOVEL INSTABILITY FRAMEWORK TO PREDICT LOCAL FORMABILITY IN 3RD GEN AHSS B-PILLAR TECHNOLOGY DEMONSTRATOR Jacqueline Noder, University of Waterloo</p>	<p>INTEGRATED PROCESS & PERFORMANCE MODELS FOR RSW OF 1ST & 3RD GEN STEELS Fernando Okigami, Ohio State University, on behalf of A/SP</p>	<p>LASER WELDING OF PHS 2000 Marc Auger, Coherent & Eduardo Zuniga, Ford Motor Company</p>
2:45 PM	<p>EVOLVING THE STEEL STRENGTH DUCTILITY DIAGRAM: TEMPERATURE & RATE EFFECTS ON NEW AHSS Jun Hu, Cleveland-Cliffs</p>	<p>ALTERNATIVE JOINING Bryan Macek, FCA US LLC, on behalf of A/SP</p>	<p>SUSTAINABILITY ASSESSMENT OF STEEL VS. ALUMINUM BUMPER BEAM Stu Brown, Brown Technical Consulting</p>
3:15 PM	BREAK		
3:30 PM	<p>MULTI-LEVEL MATERIAL CARDS FOR SHEET METAL FORMING SIMULATIONS Dr. Eren Billur, Billur Metal Form & Adem Karşı, Coşkunöz Metal Form R&D</p>	<p>LASER HEAT TREATING ON FORM, TRIM & HOT STAMPING DIES Aravind Jonnalagadda & Nitin Kumar, Synergy Additive Manufacturing</p>	<p>IN-SITU FAILURE ANALYSIS & MESO-SCALE DAMAGE MODELING OF SPOT WELD FAILURE Dr. Alireza Mohamadizadeh, University of Waterloo</p>
4:00 PM	<p>ADDITIVE MANUFACTURED INSERT PERFORMANCE IN STAMPING OF DP980 SHEET Paul Wolcott, Natalia Reinberg, Sergey Golovashchenko, General Motors & Oakland University, on behalf of A/SP</p>		<p>ADVANCED LASER HARDENING TECHNOLOGY FOR TOOLS & DIE STEELS Brandyn Jay, Fraunhofer USA, on behalf of A/SP</p>
	MAIN HALL		
4:30 PM	<p>AFTERNOON KEYNOTE ADDRESS Lourenco Goncalves, Chairman, President & CEO of Cleveland-Cliffs</p>		
5:00 PM	COCKTAIL/SOCIAL HOUR		
6:00 PM	EXHIBIT HALL CLOSES		