

GREAT DESIGNS IN STEEL

| Time | Track 1 | Track 2 | Track 3 |
|----------|---|--|---|
| 8:00 AM | Keynote Address <ul style="list-style-type: none"> Antonio Vittorini, Director and Global BOM Leader, Body Structures at General Motors Company Kirk Reich, President and Chief Operating Officer at AK Steel Moderated by Andrew Humphrey, Host of Tech Time on WDIV Local 4 Detroit Automotive Excellence Award Presentation | | |
| 9:00 AM | Break | | |
| 9:15 AM | 2019 Acura RDX presented by Carolyn LeBlanc - Honda R&D Americas | | Lightweighting a Heavy Duty Pickup Truck Frame Through a Comprehensive 3G Design Approach presented by Behrooz Shahidi - Ford Motor Company |
| 9:45 AM | 2020 Ford Escape presented by Mike Kozak - Ford Motor Company | | Lightweight Steel Engine Cradle Technologies presented by Paul McKune - Martinrea International Inc. |
| 10:15 AM | Break | | |
| 10:30 AM | 2019 Jeep Wrangler presented by April Bagley - FCA LLC | | Next Gen Steels for Hot and Cold Stamping in BIW Applications presented by Franz Schaefers - Benteler |
| 11:00 AM | Role of Steel in Future Mobility presented by Hesham Ezzat - SMDI | | VersaStyle: A Stylized and Cost Effective High-Strength Steel Wheel Option over Aluminum presented by Nicholas Spagnol - Maxion Wheels |
| 11:30 AM | Lunch | | |
| 12:30 PM | Life Cycle GHG Consequences of Lightweighting with Aluminum over AHSS presented by Brandie Sebastian - AISI | Advantages of Fortiform® 980 GI - A 3rd Gen AHSS Grade with Superior Weldability presented by Hassan Ghassemi-Armaki - ArcelorMittal | IIHS Side Impact Crash Test Program - Update presented by Sean O'Malley - Insurance Institute for Highway Safety |
| 1:00 PM | The Evolution and Outlook for Steel in North American Light Duty Vehicles presented by Abey Abraham - Ducker Worldwide | A Comprehensive Characterization of NEXMET® 1000 Formability presented by Dr. Wei Wu - AK Steel Corporation | I-CAR Automotive Collision Repair Industry Baseline Equipment Protocol presented by Scott VanHulle - I-CAR |
| 1:30 PM | Break | | |

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|---------|---|---|--|
| 1:45 PM | Microstructural Optimization of AHSS and Press Hardened Steel presented by Curt Horvath - General Motors Company | Formability and Fracture Characterization of 3rd Gen AHSS for Structural Components presented by Cliff Butcher - University of Waterloo | Recent Advancements in Complex Hot Stamped Laser Welded Blanks presented by Gagan Tandon - ArcelorMittal Tailored Blanks Americas Inc. |
| 2:15 PM | Non-Equilibrium Thermodynamic Modeling to Aid Materials Design for Quench and Partition Steels presented by Amit Behera - QuesTek Innovations LLC | Effect of Paint Baking on Base Metal and Post-Weld Properties of 3rd Gen AHSS presented by Su Liu - ArcelorMittal | Expanded Material Characterization Towards Highly Reliable Engineering and Simulation Outcomes for AHSS presented by Kidambi Kannan - Autoform Engineering USA, Inc. |
| 2:45 PM | MSC Smart Steel® Enables Lightweight Vehicle Body Structures presented by Matt Murphy - Material Sciences Corporation | Performance Enhancement of AHSS by Niobium Microalloying presented by Matthew Enloe - CBMM | A Practical Method for Modeling FLCs of 3rd Gen AHSS at Room Temperature and Boron Steel at Hot Stamping Temperatures presented by Steven Sheng - General Motors Company |
| 3:15 PM | Break | | |
| 3:30 PM | Corrosion of AHSS in Chassis Applications presented by Dean Kanelos - Nucor Corporation on behalf of the Auto/Steel Partnership | Multidisciplinary Spotweld Optimization Using Optim Welds presented by Ravi Nimbalkar - Beta CAE Systems USA, Inc. | Process Monitoring and Real Time Algorithmic for Hot Stamping Lines presented by Paul Thom - Schuler Inc. |
| 3:50 PM | On the Differences on Fracture Prediction of Plane Strain Bending and Tension of Thin Sheets presented by Mostafa Mobasher - Thornton Tomasetti | Gas Metal Arc Welding of AHSS presented by Min Kuo - ArcelorMittal on behalf of the Auto/Steel Partnership | New Advancements in Robotics Laser Cutting presented by Christon Manzella - Shape Process |
| 4:10 PM | AHSS Fracture Limit Strains on Part Radii presented by Mai Huang - ArcelorMittal on behalf of the Auto/Steel Partnership | A Generalized Stress Parameter Approach for Fatigue Life Prediction of Welded Joints presented by Dr. Hong-Tae Kang - Univ. of Michigan, Dearborn on behalf of the Auto/Steel Partnership | Repairability of Martensitic Steel (MS1500 & MS1700) and Press Hardened Steel presented by Michael Palko - Ford Motor Company |
| 4:30 PM | End of Seminar | | |
| 5:00 PM | Exhibit Hall Closes | | |