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**Ford Conference & Event Center – 1151 Village Road, Dearborn, MI 48124
 November 4 - 5, 2015**

Program Wednesday, November 4, 2015 Registration 7:30am – 9:00 am		Plenary & Keynote: Lightweight Design Alternatives & Challenges Room: <i>Grand Hall</i> 9:00 am to 1:15 pm Session Chair: Robert Muzichuk Director, Advanced Vehicle Development <i>General Motors</i>	2016/ 2017 Body-in-White Introductions Room: <i>Grand Hall</i> 2:15 pm to 8:15 pm Session Chair: Ali Jammoul, PhD Global Director, Body Exterior & Safety <i>Ford</i>	To register and exhibit call (734) 997 9249, email to info@gamcinc.org or fax (734) 786-2242.
		<u>Technical Introductions of Vehicles</u>		
9:00 am	Introduction & Opening Remarks Robert Muzichuk Director, Advanced Vehicle Development <i>General Motors</i>	2:15 pm	New Global Model Introduction: The All-New 2016 Honda Civic Shawn Crichley, Principal Engineer <i>Honda</i>	   
9:15 am	Larry Geise Vice President <i>Honda</i>	2:45 pm	Crashworthiness Development of the All-New 2016 Honda Civic Brad Klein, Senior Engineer <i>Honda</i>	
9:45 am	Tom Boney Vice President and General Manager, Automotive Value Stream <i>Novelis</i>	3:15 pm	Nissan Maxima David Coakley, Senior Manager Jonathan Zischke, Manager <i>Nissan</i>	
10:15 am	Rich Morris Vice President <i>BMW</i>			
10:45 am	Break	3:45 pm	Break	
11:15 am	Brad Davey Chief Marketing Officer <i>ArcelorMittal North America</i>	4:15 pm	Ford F150 Darrin Wagner, Body Structure Supervisor <i>Ford</i>	<u>Sponsored By</u>    POWERTRAIN INTERNATIONAL
11:45 am	Jim Holland Vice President, Product Engineering <i>Ford</i>	5:15 pm	Cadillac CT6 Peter Parlow Body Integration Architect, Jonathan Rich, Engineering Group Manager <i>General Motors</i>	
12:15 pm	Greg Warden Executive Director and Global Functional Leader David Malik Director & Global BOM Leader <i>General Motors</i>	6:15 pm	Lincoln Continental Shawn Morgans, Technical Leader & NA Front End and Under Body Manager Body Structure, Closures, & Body CAE <i>Ford</i>	
12:45 pm	Q&A Panel Discussion			
1:15 pm	Session Adjourned & Lunch	7:15 pm	Reception & Exhibits and BIW Walk-Around	
		8:15 pm	Adjournment	

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Program Thursday, November 5, 2015

Registration 7:30am – 9:00 am

Product Engineering Room: 103 8:30 am to 12:30 pm Session Co-Chairs: Pat Shafer , Manager/Principal Engineer of Underbody Design, <i>Honda</i> Warren Parsons , Chief Architect, <i>AVD, General Motors</i>	Manufacturing Processes I Room: 105 8:30 am to 1:00 pm Session Co-Chairs: Shawn Morgans , Manager, <i>Ford</i> Gagan Tandon , Director, <i>AMTB</i>	Materials Applications in BIWs Room: 103 1:30 pm to 5:30 pm Session Co-Chairs: Changqing Du , PhD, Manager, <i>FCA US</i> Jim Evangelista , Director, <i>Shiloh Industries</i>	Manufacturing Processes II Room: 105 1:30 pm to 5:30 pm Session Co-Chairs: Tim Canning , Director, <i>General Motors</i> Kevin Schnipke , Development Technical Expert <i>Honda</i>
8:30 am CAE Fatigue Life Predictions of a Subsystem Under Inertial Forces and Moments N/A Mingchao Guo, PhD Weidong Zhang, Ram Bhandarkar, Dajun Zhang, PhD <i>FCA US</i>	8:30 am Joining as an Enabling Technology for Mainstream Vehicle Light weighting 38 Jerry Gould, PhD <i>EWI</i>	1:30 pm Ford F 150: How Substrate Mix Drives Pretreatment Technology. From Modern Zinc Phosphate To Thin Film Technology 112 Terry Giles, PhD <i>Henkel Adhesive Technologies</i>	1:30 pm Die Starter - A New Approach to Manage Early Feasibility in Sheet Metal Forming 128 Rodrigue Narainen, Harald Porzner <i>ESI Group</i>
9:00 am Engineering a Next Generation Thermal and Aerodynamic Package via Total Airflow Management N/A Thomas Ramsay <i>Honda</i>	9:00 am Development of an Indirect Resistance Brazing Technology for Sandwich Metal Panels 47 Jerry Gould, PhD, <i>EWI</i> Doug Cox, <i>CellTechMetals</i>	2:00 pm Light Weight Hot Stamped LWB Side Structures for Narrow Offset Crash 119 Gagan Tandon, Shawn Devaraj <i>AMTB</i>	2:00 pm From Part Design to Part Production – Virtual Hot Forming Engineering Illustrated – Focus Material Modelling 139 Eren Billur, Harald Porzner, D Lorenz, Martin Holecek, M. Vrolijk, M. Hoss, B. Dahmena, Johan Friberg, Christian Koroschetz, Martin Skrikerud <i>ESI Group</i>
9:30 am Cold Stamp Steel Solution for B Pillar Applications N/A Michael Davenport <i>US Steel</i>	9:30 am Laser surface cleaning for joining Preparation in Lightweight Production 55 Georg Heidelmann <i>Adapt Laser Systems</i>	2:30 pm Decision criteria for laser processing in BIW 124 Frank Geyer <i>TRUMPF</i>	2:30 pm The Laser Seam Stepper: Flexible Tool for Sheet Metal Welding 144 Eric Stiles <i>IPG Photonics</i>
10:00 am Practical Failure Criterion of Spot Weld for Crash Simulation 1 Chang-Young Oh, PhD, Ji-ho Lim, Jiwoong Ha <i>POSCO</i>	10:00 am Composite and Multi-Material Joints in Body Applications 63 Tim Welters <i>Henkel</i>	3:00 pm Maximizing A-Pillar Design, Precision & Strength: All-New Three-Dimensionally Formed Ultra-High-Strength Steel Application N/A Kurtis Horner <i>Honda</i>	3:00 pm World First Application of Ablation Casting for Ultra-rigid, Crashworthy & Precise Supercar Space Frame N/A Brian Dressel, Philip Vais, <i>Honda</i>
10:30 am Break	10:30 am Break	3:30 pm Break	3:30 pm Break
11:00 am Modeling Undermatched Weld Fracture for Automotive Applications 8 Pawel Woelke PhD, Badri Hiriyur, PhD, Brett Benowitz, PhD <i>Thornton Tomasetti - Weidinger Applied Science</i>	11:00 am Laser Blanking for Today's Automotive Environment 83 Jay Finn <i>LaserCoil Technologies</i>	4:00 pm BlankLight - Aluminum Laser Welded Blanks: Design, Simulation and Business Case N/A Jonathan Fisk, <i>Shiloh</i>	4:00 pm Multivariate Analysis – Turning Data into Information 149 C. Jim Roan, PhD, Jeff Boomer <i>Perceptron</i>
11:30 am Dimensional Study of Thermoplastic Composites for Automotive Class "A" Application N/A Jian Tao, PhD, Saad Abouzahr, PhD <i>FCA US</i>	11:30 am Hydroforming Aluminum on the F150 N/A Klaus Hertell <i>Schuler</i>	4:30 pm Achieving Tailored Properties on Hot Stamp Components through In-Die Controlled Cooling N/A Jim Dykeman <i>Honda</i>	4:30 pm Production Quality - Workflow Techniques from Materials to Manufacturing using Optical Measuring 163 John Psilopoulos, John Tyson, Tim Schmid <i>Trilon Quality Systems</i>
12:00 am IHS Crash Avoidance Testing and Ratings N/A Myles Wilson <i>IHS</i>	12:00 pm Laser Applications Enabling Trends in Enhanced Fuel Economy 96 Pierson Cheng <i>TRUMPF</i>	5:00 pm Lightweight Design for Body in White with Hot Formed Tailor Rolled Products and CFRP body components N/A Torben Wilks, Philip Beiter, Lukas Topol <i>Mubea</i>	5:00 pm DIC Measurement of Aluminum Sheets Edge Tearing Test N/A Dajun Zhou, PhD Changqing Du, PhD Yongjun Zhou, PhD <i>FCA US</i> Guobiao Yang, PhD, Lianxiang Yang, PhD <i>Oakland University</i>
12:30 pm Fatigue Behavior of Adhesively Bonded Joints and Its Prediction Using Stress Analysis 20 Georges Romanos, PhD <i>Henkel</i>	12:30 pm Adhesives Designed for High Strength Steel 105 Dan Sophia <i>Dow Automotive Systems</i> Andreas Lutz, PhD, Mansour Mirdamadi <i>Dow Europe</i>		
1:00 pm Session Adjourned & Lunch	1:00 pm Session Adjourned & Lunch	5:30 pm Session Adjourned	5:30 pm Session Adjourned