



Wednesday, September 20, 2017

AM Session	Plenary & Keynote: Vehicle Light Weighting & Fuel Economy Session Chair: Christos Agouridis Executive Director Honda	PM Session	BIW Introductions Session Chair: Bob Muzichuk Director General Motors
Time	Grand Hall	Time	Grand Hall
9:00 am	Welcome & Introduction Christos Agouridis Executive Director Honda	1:30 pm	2018 Honda Odyssey Robb Augustine, Nic Goldsberry, Patrick Shafer Honda
9:15 am	Bruce Hettle Vice President – Manufacturing & Labor Relations Ford	2:30 pm	2018 Ford Expedition Jason Balzer, Darrin Wagner, Colleen Hoffman Ford
9:40 am	Dan Sophiea R&D Leader Dow Automotive	3:30 pm	Break in Exhibit Hall
10:05 am	Eric Petersen Vice President of Research & Innovation AK Steel Corporation	4:00 pm	2018 Nissan Titan Katsuhiko Sugiyama Nissan
10:30 am	Break in Exhibit Hall		
10:55 am	Christian Weiss Managing Director VoestAlpine	5:00 pm	2017 GM Bolt Warren Parsons General Motors
11:20 am	Philippe Meyer Senior Vice President & Chief Technology Officer Aleris	6:00 pm	BIW, Vehicle and Exhibit Walkthrough and Reception in Gallery Reception Sponsored By: 
11:45 am	Dave Marek Executive Creative Director, Acura Honda		
12:10 pm	Q&A Panel Discussion	7:00 pm	Adjournment
12:35 pm	Session Adjourned & Lunch in Gallery Lunch Sponsored By: 		



Thursday, September 21, 2017

AM Session	<p>Advanced Manufacturing Engineering – FAB Technology & Processes Session Co-Chairs: Changqing Du, PhD Manager, <i>Fiat Chrysler Automobiles</i> Jim Evangelista Director, <i>Shiloh Industries</i></p>	AM Session	<p>Materials Complementing BIW Design & Engineering Session Co-Chairs: Pat Shafer Manager, <i>Honda</i> Warren Parsons Chief Architect, AVD, <i>General Motors</i> Mike Davenport Director, <i>US Steel</i></p>
Time	Room 103	Time	Room 105
8:30 am	<p>Hot Stamping Part Design, Feasibility Analysis, and Optimization of Production Costs Paul Thom <i>Schuler</i></p>	8:30 am	<p>New Advanced Steel Concepts for Lightweight Front Bumper Systems Ivan Viaux, Elie Gibeau <i>ArcelorMittal</i></p>
9:00 am	<p>State-of-the-Art Technology for Simulation Based Engineering of Dimensionally Compliant Sheet Metal Components Kidambi Kannan <i>AutoForm</i></p>	9:00 am	<p>Automated Calibration of Material Models for Crash Simulation Juan Londono, PhD, Aakash Satish, Badri Hiriyyur, PhD, Pawel Woelke, PhD <i>Thornton Tomasetti</i></p>
9:30 am	<p>Advanced Vehicle Structural Testing with Optical Metrology John Tyson II, John Psilopoulos <i>Trillion Quality Systems</i></p>	9:30 am	<p>Challenges of Multi-Material Mix Today and Tomorrow Karl Radlmayr <i>VoestAlpine</i></p>
10:00 am	<p>Break in Exhibit Hall</p>	10:00 am	<p>Break in Exhibit Hall</p>
10:30 am	<p>Effects of Production Uphill and Downhill Trim Angles on Steel Trim Edge Quality Michael Shih, PhD <i>US Steel</i> Changqing Du, PhD, Yong Zhou, Dajun Zhou, PhD <i>FCA US</i></p>	10:30 am	<p>New Developments in Laser Welded Blanks Using AISi Coated Boron Steel Gagan Tandon, Sadok Gaied, PhD, Francis Schmit, PhD <i>ArcelorMittal</i></p>
11:00 am	<p>Flash® Bainite: Room Temp Stamping 1600 and 1800MPa Automotive Stampings to <2T Bend Radii Gary Cola <i>Flash Bainite</i></p>	11:00 am	<p>Advances in Aluminum Sheet Technology for Body Structures Raj Dasu <i>Aleris</i></p>
11:30 am	<p>Development of the Aluminum Warm Forming Test Cell and Process Solutions Hyunok Kim, PhD, Lance Cronley, Connie Reichert, Mike Foster <i>EWI</i></p>	11:30 am	<p>Lightweighting Without Compromise Kalyan Palanisamy, Jim Evangelista <i>Shiloh</i></p>
12:00 pm	<p>Session Adjourned & Lunch in Gallery</p>	12:00 pm	<p>Session Adjourned & Lunch in Gallery</p>

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AM Session	Advanced Assembly Processes <u>Session Co-Chairs:</u> Kathy Holland Manager, <i>General Motors</i> Gagan Tandon Director, <i>AMTB</i>	To register and exhibit: Visit www.gamcinc.com Email info@gamcinc.com Call (734) 997-9249 Fax (734) 786-2242
Time	Theater Room	Sponsors
8:30 am	Spot-Weld Integrity of Zn-coated 3rd Gen. Advanced High Strength Steels in Presence of LME Yacine Benlatreche, Michel Duchet, Thomas Dupuy, Dominique Cornette, Guy Carollo, Pascal Dietsch, Hassan Ghassemi, PhD <i>ArcelorMittal</i>	 
9:00 am	3D Laser Processing in Automotive Applications Torsten Scheller, PhD <i>JENOPTIK</i>	 
9:30 am	Industry 4.0: Enabling Customized Production Through Reconfigurable Manufacturing Systems Brent Kelso <i>Comau</i>	 
10:00 am	Break in Exhibit Hall	 
10:30 am	Development of Thermal Integrated Clinching Assembly Methods for Joining of Advanced High Strength Steels – Part I Mark Savoy, Phil Morgan <i>Utica International</i> Hassan Ghassemi-Armaki, PhD, Zhifen Wang, Sriram Sadagopan <i>ArcelorMittal</i>	 
11:00 am	Development of Process Windows and Evaluation of Joining Strength in Thermal Integrated Clinching Methodology – Part II Hassan Ghassemi-Armaki, PhD, Zhifen Wang, Sriram Sadagopan <i>ArcelorMittal</i> Mark Savoy, Phil Morgan <i>Utica International</i>	 
11:30 am	Beam Shaping as An Enabler for New Applications Rick Davis <i>TRUMPF</i>	 
12:00 pm	Session Adjourned & Lunch in Gallery	 
		  
		 

ONE STEP AHEAD.

Thursday, September 21, 2017

PM Session		PM Session	
	Materials & Process Optimization for BIWs <u>Session Co-Chairs:</u> Shawn Morgans Technical Leader, <i>Ford</i> Ram Iyer Manager, <i>ArcelorMittal</i> Jonathan Powers Section Manager, <i>AK Steel</i>		Advanced Assembly Processes <u>Session Co-Chairs:</u> P.K. Rastogi, PhD Principal Manager, <i>AK Steel</i> Kevin Schnipke Category Leader, <i>Honda</i> Rainer Kossak, PhD Director, <i>Novelis</i>
Time	Room 103	Time	Room 105
1:30 pm	Body in White Design and Optimization Utilizing AK Steel's Latest AHSS Steel Grades Rudresh Chandrashekar, Jonathan Powers, Jianyong Liang <i>AK Steel</i>	1:30 pm	Impact Welding of Aluminum and Steel Sheets with Vaporizing Foil Actuator Welding Anupam Vivek, PhD <i>Ohio State University</i>
2:00 pm	Tailor Welded Hot Stamped Axial Crush Structures: Experiment and Model Cale Peister, Cameron O'Keeffe, Michael Nemcko, PhD, Jose Imbert, PhD, Clifford Butcher, PhD, Michael Worswick, PhD <i>University of Waterloo</i> Ron Soldaat, Willie Bernert <i>ArcelorMittal</i> Cyrus Yau <i>Promatek Research Centre</i> Skye Malcolm, Jim Dykeman <i>Honda</i>	2:00 pm	New Arc-Spot Joining Process for Dissimilar/Similar Metal Joints of Aluminum and High-Strength Steel Sheets Katsura Kajihara, PhD, Zenzo Yamaguchi, PhD, Reiichi Suzuki, PhD, Koichi Makii, PhD <i>Kobe Steel</i>
		2:30 pm	Reducing the Weight of Aluminum Alloy Body-in-White Structures by Introducing Friction Stir Tailor Welded Blanks Pressed by Hot Form Quenching Joao Gandra, PhD <i>TWI</i>
2:30 pm	New Method For Rapid Evaluation of Door Ring Design Using Component Level Crash Analysis Manish Bhatt, Nachiket Gokhale <i>ArcelorMittal</i>	3:00 pm	Multi-Beam Contiguous Laser Welding for Automotive Applications Michael Nardoizzi, Michael Wiener, Eric Stiles <i>IPG Photonics</i>
3:00 pm	Break in Exhibit Hall	3:30 pm	Break in Exhibit Hall
3:30 pm	Origami Sheet Metal Folding for Body in White: Potentials and Challenges Ala Qattawi, PhD <i>University of California – Merced</i> Barbara Linke, PhD <i>University of California – Davis</i> Georg Bergweiler, PhD <i>RWTH Aachen University</i>	4:00 pm	Prevalent & Emerging Ultrafast Applications in the Automotive Sector Florian Kiefer <i>TRUMPF</i>
4:00 pm	Next Generation Adhesives for Structural Bonding in the Body Shop Tyler Auvil, PhD <i>Dow Automotive</i>	4:30 pm	Improvements in Joining and Crash Performance with Laser Soft zones in Zn Multistep Paul Belanger, Michel Garcia, Ricardo Molina <i>GESTAMP</i>
4:30 pm	Session Adjourned	5:00 pm	Session Adjourned

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PM Session	<p>Advanced Manufacturing Engineering – FAB Technology & Processes Session Co-Chairs: Changqing Du, PhD <i>Manager, Fiat Chrysler Automobiles</i> Hokook Lee, PhD <i>General Manager, POSCO</i></p>		<p>To register and exhibit: Visit www.gamcinc.com Email info@gamcinc.com Call (734) 997-9249 Fax (734) 786-2242</p>
Time	Theater Room		Sponsors
1:30 pm	<p>Study of Incremental Bending Test on Aluminum Sheets Dajun Zhou, PhD, Changqing Du, PhD <i>FCA US</i> Guobiao Yang, PhD, Ruoding Wu, Wan Xu, Lianxiang Yang <i>Oakland University</i> Zhi Deng, JP McGuire, Raj Dasu <i>Aleris</i></p>		 
2:00 pm	<p>Control of Shape Characteristics of Martensitic Materials for Roll Form Applications Dan Sakkinen <i>US Steel</i> Brian Oxley <i>Shape Corporation</i></p>		 
2:30 pm	<p>PAM-STAMP Assembly Technologies for Process Design in Sheet Metal Forming Manfredi Biasutti <i>ESI Group</i></p>		 
3:00 pm	Break in Exhibit Hall		 
3:30 pm	<p>Prog-die Wear Test on Bare DP1180 Steel for Mass Production Wei Wu, Yu-Wei Wang <i>AK Steel</i> Dajun Zhou PhD, Changqing Du, PhD <i>FCA US</i> Donald Adamski <i>General Motors</i> Darryl Young <i>Ford</i></p>		 
4:00 pm	<p>New Experimental Method to Determine CTE Effects in Multi-Material Automotive Structures – Mapping Joint Distortion Due to Heat in Bonded and Mechanically Fastened Joints Fadi Abu-Farha, PhD <i>Clemson University</i> Mike Flener <i>Henkel</i></p>		 
4:30 pm	<p>Stamping Assessment of Various 980 and 1180 MPa Steel Grades Kenneth Schmid, Jason Coryell <i>General Motors</i></p>		 
5:00 pm	<p>Laser Blanking, Today's Problem Solver Jay Finn <i>LaserCoil Technologies</i></p>		  
5:30 pm	Session Adjourned		 

Upcoming Events

Contact GAMC office for the details or visit our website, www.gamcinc.com Phone: [734 997 9249](tel:7349979249), FAX: [734 786 2242](tel:7347862242)
Email: SamanthaJ@gamcinc.com

Professional Development Course -Fundamentals of Automotive Body Structures-

November 14 – 16, 2017

[Michigan State University – MEC Conference Center and Banquet Hall](#) 811 W Square Lake Rd, Troy, MI 48098 United States

Phone: (248) 879-2456

Automotive Closures Conference (ACC)

May 23 – 24, 2018

[VisTaTech Center at Schoolcraft College](#) 18600 Haggerty Road, Livonia, Michigan 48152-2696 United States

Phone: (734) 462-4592

Advanced Laser Applications Conference (ALAC)

May 23 – 24, 2018

[VisTaTech Center at Schoolcraft College](#) 18600 Haggerty Road, Livonia, Michigan 48152-2696 United States

Phone: (734) 462-4592

June 26 – 27, 2018

[Sheraton Offenbach Hotel](#) Am Buesing Palais Berliner Strasse 111, 63065 Offenbach am Main Frankfurt, Germany

Phone: +49 69 82999 0

International Automotive Body Congress (IABC)

June 26 – 27, 2018

[Sheraton Offenbach Hotel](#) Am Buesing Palais Berliner Strasse 111, 63065 Offenbach am Main Frankfurt, Germany

Phone: +49 69 82999 0

September 19 – 20, 2018

[Ford Conference and Event Center](#) 1151 Village Road. Dearborn, Michigan 48124 United States

Phone: (313) 621-2900