




Wednesday, September 19, 2018


























AM Session	Plenary & Keynote: Autonomous Vehicle & Electrification Roadmap Session Chair: Bob Muzichuk Director General Motors	PM Session	BIW Introductions & Displays Session Chair: Christos Agouridis Senior Director Honda
Time	Grand Hall	Time	Grand Hall
9:00 am	Bob Muzichuk Director General Motors	2:00 pm	2019 Silverado Mark Voss, Warren Parsons General Motors
9:15 am	BIW Structures: The Future of Economic Lightweighting Bernhard Hoffmann United States Steel Corporation	3:00 pm	2019 Jeep Wrangler April Bagley FCA
9:45 am	Assembly Material Considerations for Mass Electrification Andrew Kneisel Dow Automotive	3:30 pm	Break
10:15 am	Break	4:00 pm	2019 Acura RDX T.J. Palesano, Carolyn LeBlanc Honda R&D Americas
10:45 am	Body Structure & the Electrified Vehicle Greg Warden General Motors		
11:15 am	System Engineering with Aluminum Andrew Ishmael Aleris	5:00 pm	All-New 2019 Ram 1500 Dave Reed FCA Vince Millioto Gestamp
11:45 am	Q&A Panel & Discussion	5:30 pm	BIW, Vehicle and Exhibit Walkthrough and Reception in Gallery Reception Sponsored By:  
12:15 pm	Session Adjourned & Lunch in Gallery Lunch Sponsored By: 		
		7:00 pm	Adjournment



Thursday, September 20, 2018

AM Session	Advanced Manufacturing Engineering – FAB Technology & Processes <u>Session Co-Chairs:</u> Dajun Zhou, PhD Manager, FCA Rainer Kossak, PhD Director, Novelis	AM Session	Materials Complementing BIW Design & Engineering <u>Session Co-Chairs:</u> Mike Davenport Director, US Steel Pat Shafer Manager, Honda
Time	Room 103	Time	Room 105
9:00 am	A Practical Stretch Bending Fracture Criterion for AHSS Michael Shih, PhD US Steel Changqing Du, PhD, Dajun Zhou, PhD FCA	9:00 am	Validation of Next Generation AHSS 1000 Mpa and 1200 Mpa Grades Jonathan Powers AK Steel
9:30 am	Flash Bainite: Coil-to-Coil Production of Room Temp Stampable 1500 and 1800 Mpa AHSS Gary Cola Flash Bainite	9:30 am	Highly Toughened Gap Filling Structural Adhesives for Enhanced Body Structure Reinforcement Raymond Bis, Frank Billotto, Mansour Mirdamadi, Daniel Sophiea, PhD Dow
10:00 am	Manufacturing Efficient Electric Vehicles – Along How It's Made Vijay Tunga, Arthur Camanho, Rodrigue Narainen, Harald Porzner ESI	10:00 am	High Strength Steels for Chassis Applications Robert Ström SSAB
10:30 am	Break in Exhibit Hall	10:30 am	Break in Exhibit Hall
11:00 am	Flexible and Efficient Blanking with Lasers Jay Finn Lasercoil	11:00 am	Next Generation 6XXX for Automotive Closures J.P. McGuire, Zhi Deng, Raj Dasu, Tamer Girgis Aleris
11:30 am	A Comprehensive Study of AHSS Sheet Punching with Various Punching Tip Designs Chao Pu, PhD, Yu-Wei Wang, PhD AK Steel DJ Zhou, PhD, Changqing Du, PhD FCA	11:30 am	Vehicle Structural Testing 4.0 John Tyson II Trillion Quality Systems
12:00 pm	Session Adjourned & Product Introduction Luncheon in Ballroom Sponsored by:  U. S. Steel	12:00 pm	Session Adjourned & Product Introduction Luncheon in Ballroom Sponsored by:  U. S. Steel

























Thursday, September 20, 2018

<p>AM Session</p>	<p>Advanced Assembly Processes Session Co-Chairs: Warren Parsons Chief Architect, <i>General Motors</i> Gagan Tandon Director, <i>AMTB</i></p>		<p>To register and exhibit: Visit www.gamcinc.com Email info@gamcinc.com Call (734) 997-9249 Fax (734) 786-2242</p>
<p>Time</p>	<p>Theater Room</p>		<p>Sponsors</p>
<p>9:00 am</p>	<p>A Case Study Using USS980Gen3 In An Automotive Assembly Dan Sakkinen <i>United States Steel</i></p>		 
<p>9:30 am</p>	<p>Highly Productive Laser Cutting and Welding of Plastic Automotive Bumpers Torsten Scheller, PhD, Markus Remm <i>Jenoptik</i></p>		 
<p>10:00 am</p>	<p>Next Generation Structural Adhesives for Multi-Substrates Bonding Daniel Sophiea, PhD, Andreas Lutz, PhD, Mansour Mirdamadi, Lirong Zhou <i>Dow</i> Ben Meaige <i>Honda</i></p>		   
<p>10:30 am</p>	<p>Break in Exhibit Hall</p>		 
<p>11:00 am</p>	<p>Refill Friction Stir Spot Welding for Automotive Industry: Welding Materials in Similar to Dissimilar Joint Combinations, Two Sheets to Multilayer Materials Uceu Suhuddin, PhD, Jorge dos Santos, PhD <i>Helmholtz Zentrum Geesthacht</i></p>		   
<p>11:30 am</p>	<p>Liquids Metal Embrittlement of Resistance Spot Welded 1180 TRIP Steel – Effects of Crack Geometry on Weld Mechanical Properties Du-Youl Choi, PhD, Hokook Lee, PhD <i>Posco</i> Charles Enloe <i>General Motors</i></p>		   
<p>12:00 pm</p>	<p>Session Adjourned & Product Introduction Luncheon in Ballroom</p> <p>Sponsored by:  U. S. Steel</p>		     

Thursday, September 20, 2018

PM Session	Advanced Manufacturing Engineering – FAB Technology & Processes <u>Session Co-Chairs:</u> Robert Miller Manager, <i>FCA</i> Jim Evangelista Director, <i>Shiloh Industries</i>	PM Session	Materials Complementing BIW Design & Engineering <u>Session Co-Chairs:</u> Shawn Morgans Body Structure Architecture Manager, <i>Ford</i> Jonathan Powers Manager, <i>AK Steel</i>
Time	Room 103	Time	Room 105
1:30 pm	Incremental Sheet Metal Bending Study Wan Xu, PhD, Guobiao Yang, PhD, Ruoding Wu, PhD, Lianxiang Yang, PhD <i>Oakland University</i> Changqing Du, PhD, Dajun Zhou, PhD <i>FCA</i> Zhi Deng, PhD, JP McGuire, Raj Dasu <i>Aleris</i>	1:30 pm	Design Flexibility Offered by the New Hot Stamping Multistep Process Paul Belanger, Dean Bartolomucci, Manuel Lopez Lage, Emmanuel Leroy <i>GESTAMP</i>
2:00 pm	Ablation 2.0: Laser Welding of Aluminized Press Hardened Steel Gagan Tandon <i>AMTB</i>	2:30 pm	Tailored Joining – Product Performance Benefits Steve Fetsko <i>Shiloh</i>
		3:00 pm	Break in Exhibit Hall
2:30 pm	Developments in Sheet Metal Joining with Fiber Lasers Eric Stiles <i>IPG Photonics</i>	3:30 pm	New Generation Press-Hardened Steel Solutions Safety Performances and Mass Savings Ludovic Dormegny <i>ArcelorMittal</i>
3:00 pm	Break in Exhibit Hall		
3:30 pm	Case Study: A High Speed, Automated System for Producing Li-ion Battery Anodes/Cathodes via Remote Laser Cutting of Coated, Thin Aluminum and Copper from Coil Dave Guastaferrri, Chris Zurek, Kyle Smith <i>Lincoln Electric</i>	4:00 pm	High Formable 6000 Alloy for Body Applications Rainer Kossak, PhD <i>Novelis</i>
4:00 pm	The Smart Surface Backbone - The Future of Cross Car Beams Devon Owen, Hal Gerber <i>Shiloh</i>	4:30 pm	Light Weight Design Utilizing Third Generation AHSS with Tailored Front Rails Jianyong Liang, PhD <i>AK Steel</i>
4:30 pm	Adjournment	5:00 pm	Adjournment

Thursday, September 20, 2018

PM Session	<p>Advanced Assembly Processes Session Chair: Shawn Morgans Body Structure Architecture Manager, Ford</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>HUMANufacturing: Human-Robot Collaboration Brent Kelso Comau</p>		 	
2:00 pm	<p>Laser Welding of Aluminum for Light-Weight Designs Henrikki Panstar, PhD, Marc Kirchoff, Andreas Mullegger, Thomas Bubel TRUMPF</p>		 	
2:30 pm	<p>Combining FSW Tailor Welded Blanks with HFQ Forming Richard Freeman, PhD TWI</p>		 	
3:00 pm	<p>Break in Exhibit Hall</p>		 	
3:30 pm	<p>RuBulge TM, New Joining Method for Hollow Members Using Rubber Bulge Method Toru Hashimura, PhD, Yasuhiro Maeda Kobe Steel</p>		 	
4:00 pm	<p>BIW Structural Applications with Diode Lasers Wolfgang Todt, Oleg Raykis Laserline</p>		 	
4:30 pm	<p>Beamforming Techniques for Enhanced Laser Welding Speed & Quality Tracey Ryba TRUMPF</p>		 	
5:00 pm	<p>Session Adjourned</p>		 	
			 	
			 	
			 	
			 	

Registration Form



FEE SCHEDULE FOR REGISTRANTS

General Registration Fee is **\$1995** (*Access to sessions for all days of the conference; also includes an access to the IABC 2018 Dearborn Library for the available abstracts, papers and presentations for one month starting 5 – 10 days after the conclusion of the event, coffee breaks, lunch(es), reception, and access to the exposition*) Login information will be delivered to you via email.

- General Registration/Co-Author Registration Fee is **\$1995**
- Authors, Chairs, and Director of Global Automotive Management Council Registration Fee is **\$795**

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I'd like to receive email communications about this and future GAMC events:

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Please indicate by an "X" in the appropriate blank box (es).

I will attend the Reception on: September 19th

I will attend the CONFERENCE and EXHIBITS on: September 19th September 20th

PAYMENT METHODS: (*All checks must be drawn from U.S. banks in U.S. funds*)

Make Check Payable to: Global Automotive Management Council in the amount of, US\$ _____

Signature: X _____ Date: _____

Mail, Fax or Email Registration Form to: Tarek Uddin, Business Development Manager, tareku@gamcinc.com, 5340 Plymouth Road, Suite 205, Ann Arbor, MI 48105, USA FAX: (734) 786-2242. REFUND POLICY: Refunds are available with a 50% surcharge until 60 days before the conference. In addition, a \$35 administrative fee will be charged. Refunds are no longer available in the 60 days prior to the conference date. All returned checks receive a \$50 fee. Prices subject to change.

Online Registration Available at www.gamcinc.com

Comments: _____

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