

Wednesday, September 28, 2016

AM Session	Plenary & Keynote: Vehicle Lightweighting & Fuel Economy Session Chair: Rob Seabolt Director Fiat Chrysler Automobiles	PM Session	BIW Introductions Session Chair: Bob Muzichuk Director General Motors
Time	Grand Hall	Time	Grand Hall
9:00 am	Welcome & Introduction Rob Seabolt Director Fiat Chrysler Automobiles	1:30 pm	2017 Chrysler Pacifica Jessica LaFond Chief Engineer Jeff Tibbenham Senior Manager Fiat Chrysler Automobiles
9:15 am	Phil Jansen Vice President – Systems & Components Engineering Fiat Chrysler Automobiles	2:30 pm	2017 Honda Ridgeline Steve Behm Senior Engineer Honda
9:40 am	E. Judy Brunson Head of eMobility, High Voltage Systems, & Quality for the Powertrain & eDrive Division Mercedes Benz	3:30 pm	Break in Exhibit Hall
10:05 am	Ali Jammoul, PhD Global Director, Body Exterior & Safety Ford	4:00 pm	2017 F250 Super Cab Colleen Hoffman Supervisor Ford
10:30 am	Break in Exhibit Hall		
10:55 am	Brad Peterson Director Sales & Marketing - Automotive, Automotive Novelis	5:00 pm	2017 Buick LaCrosse Terry Swartzell System Architect General Motors
11:20 am	Bernhard Hoffmann Vice President, Engineering & Product Development United States Steel Corporation	6:00 pm	BIW, Vehicle and Exhibit Walkthrough and Reception in Gallery Reception Sponsored By:  
11:45 am	Charlie Klein Executive Director, Global CO2 Strategy, Mass and Aerodynamics General Motors		
12:10 pm	Q&A Panel Discussion		
12:35 pm	Session Adjourned & Lunch in Gallery	7:00 pm	Adjournment

To register and exhibit call (734) 997-9249, email to info@gamcinc.org or Fax (734) 786-2242.



The Program Committee and Board of Directors reserves the right to amend this program without any notice.

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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> Hokook Lee, PhD General Manager, <i>POSCO</i></p>	AM Session	<p>Materials Complementing BIW Design & Engineering Session Co-Chairs: Rainer Kossak, PhD Director, <i>Novelis</i> Pat Shafer Manager/Principal Engineer of Underbody Design, <i>Honda</i> Warren Parsons, Chief Architect, <i>AVD, General Motors</i> Mike Davenport, Director, <i>US Steel</i></p>
Time	Room 103	Time	Room 105
8:30 am	<p>Aesthetic Defect Prediction and Correction in Stamping Applications Yang Hu, PhD, Kaiping Li, PhD <i>Fiat Chrysler Automobiles</i></p>	8:30 am	<p>AK Steel's Development of AHSS Steel Grades for Body Structures and Their Applications Jonathan Powers, Grant Thomas, Amrinder Gill, Ed Case <i>AK Steel</i></p>
9:00 am	<p>Dimensional Study of Pierced Hole Using Punch with a Conical Tip Guobiao Yang, PhD, Tian Bai, Wan Xu, Junrui Li, Lianxiang Yang <i>Oakland University</i> Dajun Zhou, PhD, Changqing Du, PhD <i>Fiat Chrysler Automobiles US LLC</i></p>	9:00 am	<p>Challenges in Automotive Applications Utilizing Mg sheet Min Hong Seo, PhD, Kanghwan Ahn, PhD, Yeon Sik Kang, PhD, Kang-Yul Seo, PhD Hokook Lee, PhD <i>POSCO</i></p>
9:30 am	<p>Stamping Lubricants: Separating Fact from Fiction Cliff Hoschouer <i>Shiloh Industries</i> Frank Kenny <i>Irmco</i></p>	9:30 am	<p>Toughened Body Shop Adhesives Daniel Sophiea, PhD, Andreas Lutz, PhD, Benjamin Haag, PhD <i>Dow Automotive</i></p>
10:00 am	<p>Flash® Bainite: Room Temp Stamping 1600MPa Structural and Energy Absorbing Components to OT/1T Bend Radii Gary Cola Jr, Tom Stautz <i>Flash Bainite</i></p>	10:00 am	<p>New Zn Multistep PHS Paul Belanger <i>GESTAMP</i></p>
10:30 am	Break in Exhibit Hall	10:30 am	Break in Exhibit Hall
11:00 am	<p>Intelligent Servo-Controlled Forming Process for Lightweight Structures Hyunok Kim, PhD <i>EWI</i></p>	11:00 am	<p>Performance and Use Characteristics of an Extremely Formable 3rd Generation AHSS Tad Machrowicz <i>The NanoSteel Company</i></p>
11:30 am	<p>Advanced High-Strength Steels: Deciphering Local and Global Formability Brandon Hance, PhD, Michael Davenport, PE <i>United States Steel Corporation</i></p>	11:30 am	<p>S-in Motion® Mid-size Chassis Elie Gibeau, PhD, Kevin Eldridge <i>ArcelorMittal</i></p>
12:00 pm	<p>An Automatic Die Face Design System in Early Tool Process Feasibility in Sheet Metal Forming Rodrigue Narainen, PhD, Harald Porzner <i>ESI Group</i></p>	12:00 pm	<p>Forming Limit and Fracture Strain Characterizations of USS 980GEN3 using Digital Image Correlation Lu Huang, PhD <i>United States Steel Cooperation</i></p>
12:30 pm	Session Adjourned & Lunch in Gallery	12:30 pm	Session Adjourned & Lunch in Gallery

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Thursday, September 29, 2016

PM Session	Materials & Process Optimization for BIWs Session Co-Chairs: Shawn Morgans Manager, <i>Ford</i> Paul Schurter <i>ArcelorMittal</i> Ram Iyer <i>ArcelorMittal</i> Jonathan Powers Manager <i>AK Steel</i>	PM Session	Advanced Assembly Processes Session Co-Chairs: Tim Canning Senior Manager, <i>General Motors</i> P.K. Rastogi, PhD Principal Engineer, <i>AK Steel</i> Kevin Schnipke Development Technical Expert, <i>Honda</i> Gagan Tandon Director, <i>AMTB</i>
Time	Room 103	Time	Room 105
1:30 pm	Laser Blanking: Competitive and Production Ready Jay Finn <i>LaserCoil Technologies LLC</i>	1:30 pm	The Flexible Assembly Systems for Lightweight Vehicle Constructions Giacomo Gandini <i>COMAU</i>
2:00 pm	Advanced Cold Forming Methods With AHSS Increase Ease of Design in Car Body Structures Thomas Müller, Lars Troive <i>SSAB</i>	2:00 pm	Laser Joining of Dissimilar and Hybrid Materials for Vehicle Design ASP Pierson Cheng <i>TRUMPF</i>
2:30 pm	Robustness of Hot Stamped Laser Welded Blanks Gagan Tandon, Nachiket Gokhale <i>ArcelorMittal Tailored Blanks</i>	2:30 pm	Novelis Advanced Aluminum Alloys for High Speed Remote Laser Welding Rainer Kossak, PhD <i>Novelis</i>
3:00 pm	Break in Exhibit Hall	3:00 pm	Break in Exhibit Hall
3:30 pm	Laser Butt Welding of AISi coated Press Hardened Steels – New Developments and Applications Francis Schmit, Sadok Gaided, PhD <i>ArcelorMittal</i> Marius-Ioan Rotarescu, PhD, Gagan Tandon <i>ArcelorMittal Tailored Blanks</i>	3:30 pm	Impact Spot Welding of Dual Phase 590 Steel to Aluminum Alloy 5052 by Vaporizing Foil Actuator Yu Mao, Anupam Vivek, PhD, Geoffrey Taber, Angshuman Kapil, Glenn Daehn, PhD <i>The Ohio State University</i>
4:00 pm	Technical Advances in Laser Blanking Manuel Hunger <i>Schuler Group</i>	4:00 pm	Laser Seam Stepper Welding: A New Tool Takes on Conventional Welding Processes Michael Wiener <i>IPG Photonics</i>
4:30 pm	Fundamentals of Laser Metal Fusion and Potential Applications in the Automotive Industry April Cooke, PhD <i>TRUMPF</i>	4:30 pm	Welding Issues and Solutions for Advanced High-Strength Steels Menachem Kimchi <i>WorldAutoSteel</i>
		5:00 pm	Diode Lasers in Automotive BIW Joining and Heat Treatment Applications Tobias Stittgen <i>Laserline</i>
5:00 pm	Session Adjourned	5:30 pm	Session Adjourned

Thursday, September 29, 2016

AM Session	Efficient Propulsion Solutions for Sustainable Mobility Part I Session Chair: Hank Sullivan Director - Analysis, Validation, and Systems Test, Clean Air Division <i>Tenneco</i>	PM Session	Efficient Propulsion Solutions for Sustainable Mobility Part II Session Chair: Oliver Gross Technical Fellow Energy Storage Systems, <i>Fiat Chrysler Automobiles</i>
Time	Room 106	Time	Room 106
9:00 am	Welcome & Introduction Hank Sullivan <i>Tenneco</i>	1:30 pm	Thermodynamic Implications of Emissions Constraints on SI Combustion Martin Wissink, PhD <i>Oak Ridge National Laboratory</i>
9:15 am	Co-Optimization of Fuel & Engine Robert Wagner, PhD <i>Oak Ridge National Laboratory</i>	2:00 pm	Advanced Electrochemical Energy Storage Systems for Vehicle Electrification Mei Cai, PhD <i>General Motors</i>
9:45 am	Sustainable Mobility: Hybrid Solar Vehicle for Better Fuel Economy and Less Well-to-Wheels Greenhouse Gas Emissions Mahmoud Abdelhamid, PhD <i>University of California</i>	2:30 pm	Battery Propulsion Technology Trends Oliver Gross <i>Fiat Chrysler Automobiles</i>
		3:00 pm	Advances in Sustainable Bipolar Lead Battery Solutions for Start-Stop Applications Ed Shaffer <i>Advanced Battery Concepts</i>
10:15 am	Break in Exhibit Hall	3:30 pm	Break in Exhibit Hall
10:45 am	Lightweight Design for Vehicle Applications Zhigang Wei, Ryan Barr, Sarat Das, Dennis Mellon, Bradley Fingland, Tony Quan, and Adam Kotrba <i>Tenneco</i> Hong-Tae Kang, Xiao Wu <i>University of Michigan</i>	4:00 pm	Advances in Diesel Exhaust Aftertreatment Catalyst Technologies Krishna Kamasamudram, PhD <i>Cummins</i>
11:15 am	Exhaust After Treatment Optimization: CFD to Engine Hank Sullivan <i>Tenneco</i>	4:30 pm	Recent Vehicle Powertrain Reliability Surveys and Data Analysis Zhigang Wei, Litang Gao <i>Tenneco</i>
11:45 am	Thermomechanical Fatigue Durability of Powertrain Components Carlos Engler-Pinto Jr., Katherine Avery, William Lai, Xuming Su <i>Ford</i> Zhigang Wei, Limin Luo, Tony Quan, Bob Rebandt <i>Tenneco</i>	5:00 pm	Meeting 2025 CAFÉ with the Opposed Piston Engine Nishit Nagar <i>Achates Power</i>
12:15 pm	Session Adjourned & Lunch in Gallery	5:30 pm	Session Adjourned

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Registration Form



FEE SCHEDULE FOR REGISTRANTS

General Registration Fee is \$1795 (Access to sessions for all days of the conference; also includes an access to the IABC 2016 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 Fee is \$1795
- Co-Author Registration Fee is \$895
- Authors, Chairs, and Director of Global Automotive Management Council (GAMC) Registration Fee is \$795

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I will attend the Reception on: September 28

I will attend the CONFERENCE and EXHIBITS on: September 28 September 29

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 or Fax Registration Form to: Global Automotive Management Council, 5340 Plymouth Road, Suite 205, Ann Arbor, MI 48105, USA.

FAX: (734) 786-2242 EMAIL: info@gamcinc.org REFUND POLICY: No Refunds after July 21, 2016.

There is a 45% surcharge on cancellations before July 21, 2016.

Online Registration Available at www.gamcinc.org

Comments: _____

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