| 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 |
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<tr>
<td>Time</td>
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</table>
| 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 | 5:00 pm | 2017 Buick LaCrosse  
Terry Swartzell  
System Architect  
General Motors |
| 10:55 am | Brad Peterson  
Director Sales & Marketing - Automotive, Automotive  
Novelis | 6:00 pm | BIW, Vehicle and Exhibit Walkthrough and Reception in Gallery  
Reception Sponsored By:  
[TRUMPF]  
[ABB] |
| 11:20 am | Bernhard Hoffmann  
Vice President, Engineering & Product Development  
United States Steel Corporation | 7:00 pm | Adjournment |
| 11:45 am | Charlie Klein  
Executive Director, Global CO2 Strategy, Mass and Aerodynamics  
General Motors |  |
<p>| 12:10 pm | Q&amp;A Panel Discussion |  |
| 12:35 pm | Session Adjourned &amp; Lunch in Gallery |  |</p>
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<tr>
<th>Time</th>
<th>Room 103</th>
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<tbody>
<tr>
<td>8:30 am</td>
<td>Aesthetic Defect Prediction and Correction in Stamping Applications</td>
<td>8:30 am</td>
<td>AK Steel’s Development of AHSS Steel Grades for Body Structures and Their Applications</td>
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<td></td>
<td>Yang Hu, PhD, Kaiping Li, PhD</td>
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<td>Jonathan Powers, Grant Thomas, Amrinder Gill, Ed Case AK Steel</td>
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<td><em>Fiat Chrysler Automobiles</em></td>
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<td>9:00 am</td>
<td>Dimensional Study of Pierced Hole Using Punch with a Conical Tip</td>
<td>9:00 am</td>
<td>Challenges in Automotive Applications Utilizing Mg sheet</td>
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<td>Guobiao Yang, PhD, Tian Bai, Wan Xu, Junrui Li, Lianxiang Yang</td>
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<td>Min Hong Seo, PhD, Kanghwan Ahn, PhD, Yeon Sik Kang, PhD, Kang-Yul Seo, PhD</td>
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<td><em>Oakland University</em></td>
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<td>Hokook Lee, PhD</td>
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<td>Dajun Zhou, PhD, Changqing Du, PhD</td>
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<td><em>Fiat Chrysler Automobiles US LLC</em></td>
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<tr>
<td>9:30 am</td>
<td>Stamping Lubricants: Separating Fact from Fiction</td>
<td>9:30 am</td>
<td>Toughened Body Shop Adhesives</td>
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<td>Cliff Hoschouer, <em>Shiloh Industries</em></td>
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<td>Daniel Sophiea, PhD, Andreas Lutz, PhD, Benjamin Haag, PhD</td>
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<td>Frank Kenny, <em>Irmo</em></td>
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<td>Dow Automotive</td>
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<td>10:00 am</td>
<td>Flash® Bainite: Room Temp Stamping 1600MPa Structural and Energy Absorbing</td>
<td>10:00 am</td>
<td>New Zn Multistep PHS</td>
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<td>Components to 0T/1T Bend Radii</td>
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<td>Paul Belanger</td>
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<td>Gary Cola Jr, Tom Stautz</td>
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<td>10:30 am</td>
<td>Break in Exhibit Hall</td>
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<td>11:00 am</td>
<td>Intelligent Servo-Controlled Forming Process for Lightweight Structures</td>
<td>11:00 am</td>
<td>Performance and Use Characteristics of an Extremely Formable 3rd Generation AHSS</td>
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<td>Hyunok Kim, PhD</td>
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<td><em>Tad Machrowicz</em></td>
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<td>11:30 am</td>
<td>Advanced High-Strength Steels: Deciphering Local and Global Formability</td>
<td>11:30 am</td>
<td>S-in Motion® Mid-size Chassis</td>
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<td>Brandon Hance, PhD, Michael Davenport, PE</td>
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<td>Elie Gibeau, PhD, Kevin Eldridge</td>
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<td><em>United States Steel Corporation</em></td>
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<td><em>ArcelorMittal</em></td>
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<td>12:00 pm</td>
<td>An Automatic Die Face Design System in Early Tool Process Feasibility in</td>
<td>12:00 pm</td>
<td>Forming Limit and Fracture Strain</td>
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<td>Sheet Metal Forming</td>
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<td><em>Characterizations of USS 980GEN3 using Digital Image Correlation</em></td>
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<td>Rodrigue Narainen, PhD, Harald Porzner</td>
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<td>Lu Huang, PhD, <em>United States Steel Cooperation</em></td>
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<td>12:30 pm</td>
<td>Session Adjourned &amp; Lunch in Gallery</td>
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To register and exhibit call (734) 997-9249, email to info@gamcinc.org or Fax (734) 786-2242.
### Materials & Process Optimization for BIWs

**Session Co-Chairs:** Shawn Morgans  
*Manager, Ford*  
Paul Schurter  
*ArcelorMittal*  
Ram Iyer  
*ArcelorMittal*  
Jonathan Powers  
*Manager, AK Steel*

**Room 103**

<table>
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<tr>
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| 1:30 pm | Laser Blanking: Competitive and Production Ready  
Jay Finn  
*LaserCoil Technologies LLC* |
| 2:00 pm | Advanced Cold Forming Methods With AHSS Increase Ease of Design in Car Body Structures  
Thomas Müller, Lars Troive  
*SSAB* |
| 2:30 pm | Robustness of Hot Stamped Laser Welded Blanks  
Gagan Tandon, Nachiket Gokhale  
*ArcelorMittal Tailored Blanks* |
| 3:00 pm | Break in Exhibit Hall |
| 3:30 pm | Laser Butt Welding of AlSi coated Press Hardened Steels – New Developments and Applications  
Francis Schmit, Sadok Gaied, PhD  
*ArcelorMittal*  
Marius-Ioan Rotarescu, PhD, Gagan Tandon  
*ArcelorMittal Tailored Blanks* |
| 4:00 pm | Technical Advances in Laser Blanking  
Manuel Hunger  
*Schuler Group* |
| 4:30 pm | Fundamentals of Laser Metal Fusion and Potential Applications in the Automotive Industry  
April Cooke, PhD  
*TRUMPF* |
| 5:00 pm | Session Adjourned |

### Advanced Assembly Processes

**Session Co-Chairs:** Tim Canning  
*Senior Manager, General Motors*  
P.K. Rastogi, PhD  
*Principal Engineer, AK Steel*  
Kevin Schnipke  
*Development Technical Expert, Honda*  
Gagan Tandon  
*Director, AMTB*

**Room 105**

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<tr>
<th>Time</th>
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| 1:30 pm | The Flexible Assembly Systems for Lightweight Vehicle Constructions  
Giacomo Gandini  
*COMAU* |
| 2:00 pm | Laser Joining of Dissimilar and Hybrid Materials for Vehicle Design ASP  
Pierson Cheng  
*TRUMPF* |
| 2:30 pm | Novelis Advanced Aluminum Alloys for High Speed Remote Laser Welding  
Rainer Kossak, PhD  
*Novelis* |
| 3:00 pm | Break in Exhibit Hall |
| 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  
*The Ohio State University* |
| 4:00 pm | Laser Seam Stepper Welding: A New Tool Takes on Conventional Welding Processes  
Michael Wiener  
*IPG Photonics* |
| 4:30 pm | Welding Issues and Solutions for Advanced High-Strength Steels  
Menachem Kimchi  
*WorldAutoSteel* |
| 5:00 pm | Diode Lasers in Automotive BIW Joining and Heat Treatment Applications  
Tobias Stittgen  
*Laserline* |
| 5:30 pm | Session Adjourned |

The Program Committee and Board of Directors reserves the right to amend this program without any notice.
### 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  
Tenneco | PM Session | Efficient Propulsion Solutions for Sustainable Mobility Part II  
Session Chair: Oliver Gross  
Technical Fellow  
Energy Storage Systems,  
Fiat Chrysler Automobiles |
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</tbody>
</table>
| 9:00 am | Welcome & Introduction  
Hank Sullivan  
Tenneco | 1:30 pm | Thermodynamic Implications of Emissions Constraints on SI Combustion  
Martin Wissink, PhD  
Oak Ridge National Laboratory |
| 9:15 am | Co-Optimization of Fuel & Engine  
Robert Wagner, PhD  
Oak Ridge National Laboratory | 2:00 pm | Advanced Electrochemical Energy Storage Systems for Vehicle Electrification  
Mei Cai, PhD  
General Motors |
| 9:45 am | Sustainable Mobility: Hybrid Solar Vehicle for Better Fuel Economy and Less Well-to-Wheels Greenhouse Gas Emissions  
Mahmoud Abdelhamid, PhD  
University of California | 2:30 pm | Battery Propulsion Technology Trends  
Oliver Gross  
Fiat Chrysler Automobiles |
| 10:15 am | Break in Exhibit Hall | 3:00 pm | Advances in Sustainable Bipolar Lead Battery Solutions for Start-Stop Applications  
Ed Shaffer  
Advanced Battery Concepts |
| 10:45 am | Lightweight Design for Vehicle Applications  
Zhigang Wei, Ryan Barr, Sarat Das, Dennis Mellon, Bradley Fingland, Tony Quan, and Adam Kotrba  
Tenneco  
Hong-Ta Kang, Xiao Wu  
University of Michigan | 4:00 pm | Advances in Diesel Exhaust Aftertreatment Catalyst Technologies  
Krishna Kamasamudram, PhD  
Cummins |
| 11:15 am | Exhaust After Treatment Optimization: CFD to Engine  
Hank Sullivan  
Tenneco | 4:30 pm | Recent Vehicle Powertrain Reliability Surveys and Data Analysis  
Zhigang Wei, Litang Gao  
Tenneco |
| 11:45 am | Thermomechanical Fatigue Durability of Powertrain Components  
Carlos Engler-Pinto Jr., Katherine Avery, William Lai, Xuming Su  
Ford  
Zhigang Wei, Limin Luo, Tony Quan, Bob Rebandt  
Tenneco | 5:00 pm | Meeting 2025 CAFÉ with the Opposed Piston Engine  
Nishit Nagar  
Achates Power |
| 12:15 pm | Session Adjourned & Lunch in Gallery | 5:30 pm | Session Adjourned |

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.

**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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Please indicate by an “X” in the appropriate blank box (es).

- 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](http://www.gamcinc.org)

Comments: ________________________________________________________________________________

How did you hear about us? ___________________________________________________________________