

Advanced Laser Applications Conference (ALAC 2019)

Automotive Closures Conference (ACC 2019)

Joining and Fabrication Technologies (JFTEC 2019)

June 5 - 6, 2019

www.gamcinc.com

(734) 997 – 9249

VisTaTech Center at Schoolcraft College

18600 Haggerty Road

Livonia, Michigan 48152-2696

Registration: 8:30am – 9:00am, Main Street

Wednesday, June 5, 2019

AM Session	Plenary & Keynote: Design, Technology, Engineering, and Safety Roadmap Session Chair: Carl Corman Global Chief Architect General Motors	PM Session	Closures Introductions Session Chair: Carl Corman Global Chief Architect General Motors
Time	Room VT550	Time	Room VT550
9:00 am	Carl Corman Global Chief Architect General Motors	1:45 pm	2019 Acura RDX Application of Resin Tailgate and Roof Mount Spindle Drive Greg Tri, Jacob Mazzio Honda
9:15 am	Marcos Corradin US Steel	2:15 pm	Explorer Closures Mike Watterworth Ford
9:45 am	Bertrand Hache Plastic Omnium	2:45 pm	Break
10:15 am	Break	3:15 pm	Aviator Closures Mike Watterworth Ford
10:45 am	Frank Billiotto DuPont	3:45 pm	Closures Overview of the 2019 Chevrolet Blazer Kotomi Clegg, Kristian Bleasdel General Motors
11:15 am	Jim Evangelista Shiloh Industries	4:15 pm	Evolving Use of Front Storage Space “Frunk” for Electric Vehicles Minhkieu Ly General Motors
11:45 am	Mari Chellman Magna International	4:45 pm	Tacoma OE Tonneau Cover Development Norm Kerr Toyota
12:15 pm	Q&A Panel Discussion	5:15 pm	Product Walk Through & Discussions
12:45 pm	Session Adjourned & Lunch	5:45 pm	Adjournment

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Thursday, June 6, 2019

AM Session	Design and Engineering Session Chair: Rad Raman Application Manager <i>US Steel</i> Madhan Ramaswami Sr. Manager <i>Toyota</i>	PM Session	Manufacturing Processes Session Chair: Michael Sigelko Global Chief Architect <i>General Motors</i>
Time	Room	Time	Room
9:00 am	Role of Front-end Closures Design in Pedestrian and Bicyclist Safety Vishal Gupta, Mark Beauregard <i>General Motors</i>	1:30 pm	Latest Development in 3D Laser Cutting Markus Remm, Roger Auerbach <i>Jenoptik</i>
9:30 am	Side Guard Door Beam Mass Reduction Project Ram Iyer <i>ArcelorMittal</i> Jeffrey Scheuer <i>General Motors</i>	2:00 pm	Micro Laser Assisted Machining of Metals, Ceramics, and Crystalline Materials Hossein Shahinian, Deepak Ravindra, PhD <i>Micro-LAM, INC</i>
10:00 am	Development of newly-designed 390MPa grade steel for automotive exposed panel Jewoong Lee, PhD, Sangho Han, <i>POSCO</i>	2:30 pm	Next Generation Polyurethane Structural Adhesives for Light Weight Closures and Dissimilar Material Designs Frank Billotto, Eric Cole, Stefan Schmatloch, PhD <i>Dow Automotive</i>
10:30 am	Break	3:00 pm	Break
11:00 am	Quantitative Surface Quality Assessment of Car Outer Panels & Doors & Closures with a Virtual Light Room Harald Porzner <i>ESI Group</i>	3:30 pm	Body Shop Adhesive Dispense System Modeling Eric Cole, Gary Snaveley, Eric Carlson <i>Dow Automotive</i>
11:30 am	Automotive Mass Reduction Potential Utilizing the Latest Exposed AHSS While Maintaining the Dent Resistance Performance Jianyong Liang, Feng Zhu, Jonathan Powers, Yu-Wei Wang, Scott Stevens <i>AK Steel</i>	4:00 pm	Laser Blanking for the Automotive Landscape Jay Finn <i>LaserCoil Technologies</i>
12:00 am	Lightweight Doors, Potential of Advanced High Strength Third Gen Steels Harry Singh <i>US Steel</i>	4:30 pm	Process Monitoring of Laser Ablation: The Importance of Inspection in Surface Critical Bonding and Coating Applications Bill Buschle, Giles Dillingham, Brooke Campbell, Elizabeth Kidd <i>BTG Labs</i>
12:30 pm	Session Adjourned & Lunch	5:00 pm	Adjournment

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Thursday, June 6, 2019

AM Session	Joining and Process Optimization Session Chair: Jim Evangelista Director <i>Shiloh</i> Ron Machin Technical Expert <i>Ford</i>	PM Session	Battery Manufacturing Session Chair: Teresa Rinker, PhD <i>General Motors</i> Mark Boyle, PhD <i>AMADA MIYACHI AMERICA, Inc.</i>
Time	Room VT550	Time	Room VT445
9:00 am	An Overview of Impact Welding of Structural Materials with Electrical and Optical Pulsed Power Anupam Vivek, PhD <i>Ohio State University</i>	1:30 pm	Battery Manufacturing: Recent Past, Present Status, and Future Outlook Renata Arsenault <i>Ford</i>
9:30 am	Laser Blank Welding of GEN 3 Steel Jim Evangelista <i>Shiloh</i>	2:00 pm	Cell Manufacturing Science of Ni-Rich/Low-Co Cathodes for High-Energy and High-Power Lithium-Ion Batteries David Wood, PhD <i>Oak Ridge National Lab</i>
10:00 am	Magnetic Pulse Welding: Background and Application in Manufacturing Oleg Zaitov <i>Bmax</i>	2:30 pm	Comparison of Technologies for Battery Pack Manufacturing - Resistance Welding and Laser Welding Mark Boyle, PhD <i>AMADA MIYACHI AMERICA, Inc.</i>
10:30 am	Break	3:00 pm	Break
11:00 am	Remote Laser Welding Process of Aluminum Alloy Sheet in Automotive Industry WeiJie Zhang, Michel Garcia, Mitchell Poirie <i>Gestamp</i>	3:30 pm	Laser Technology Applications and Advantages within Battery Manufacturing Ray Ponder <i>TRUMPF</i>
11:30 am	How to Weld GEN3 Steel Successfully, Avoiding Potential Pitfalls of RSW and Laser Welding Part I Rick Wolf <i>US Steel</i>	4:00 pm	Advanced Technology Platforms for Manufacturing Next Generation Battery Materials Jessica Durham, PhD <i>Argonne National Laboratory</i>
12:00 pm	How to Weld GEN3 Steel Successfully, Avoiding Potential Pitfalls of RSW and Laser Welding Part II Rick Wolf <i>US Steel</i>	4:30 pm	Lasers and Systems for Battery Pack Manufacturing Mark Boyle, PhD <i>AMADA MIYACHI AMERICA, Inc.</i>
12:30 pm	Session Adjourned & Lunch	5:00 pm	Adjournment

Registration Form

FEE SCHEDULE FOR REGISTRANTS

General Registration Fee is \$1,795.00 (*Access to sessions for all days of the conference; also includes an access to the ALAC 2019 Livonia 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), and access to the exposition*) Login information will be delivered to you via email.

- General Registration/Co-Author Registration Fee is \$1,795.00
- Authors, Chairs, and Director of Global Automotive Management Council Registration Fee is \$795.00

PLEASE PRINT OR TYPE (ALL FIELDS REQUIRED)

The address you provide must be the **billing address** associated with the account

I'd like to receive email communications about this and future GAMC events: <input type="checkbox"/>	
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Please indicate by an "X" in the appropriate blank box (es).

I will attend the CONFERENCE and EXHIBITS on:	June 5	<input type="checkbox"/>	June 6	<input type="checkbox"/>
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PAYING BY CHECK: (*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\$ _____

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 \$35.00 administrative fee will be charged. Refunds are no longer available in the 60 days prior to the conference date. All returned checks receive a \$50.00 fee. Prices subject to change. Online Registration Available at www.gamcinc.com

Comments: _____

How did you hear about us? _____