

Tuesday, October 8th

- **7:00 AM** / Registration & Networking Continental Breakfast in Exhibit Hall
ROOM: Crystal/Sapphire/ Ruby
- **8:30 AM** / Welcome Remarks
- **8:45 AM** / Keynote—April Bagley, System Responsible—Body Electro-Mechanical, FCA/Jeep Wrangler
- **9:30 AM** / Networking Coffee Break

ROOM: Crystal/Sapphire/ Ruby
EXTERIOR/BODY/CLOSURES

- **10:00-10:30 AM**
- **Lightweight Thermoplastic Liftgates**
Riad Chaaya, Global Product Line Director Liftgates, Magna
- **10:30-11:00 AM**
- **Performance Optimization of AHSS with Controlled Niobium Additions**
Dr. Matt Enloe, Senior Technical Manager, CBMM North America
- **11:00-11:30 AM**
- **Tailoring Part Properties Toward Lightweighting—A Digital Engineering Perspective**
Dr. Kidambi S. Kannan, Technical Manager, AutoForm Engineering

- **11:30-1:30 PM** Networking Luncheon in the Exhibit Hall
- **1:45-2:15 PM**
- **The Auto Industry Is About to Go Upside Down**
John McElroy, AutoLine TV

INTERIOR

- **2:30-3:00 PM**
- **Lightweight Seating: Maintaining Comfort & Safety as Feature Content Increases**
Allen Sorgenfrei, Senior Engineer, TACHI-S
- **3:00-3:30 PM**
- **Lightweighting Structural Components Using Magnesium High-Pressure Die Casting**
Klaus Lantz, Sales Director-NAFTA, GF Linamar LLC

- **3:30-6:00 PM** Networking/Refreshments in the Exhibit Hall

ROOM: Onyx/Opal/Garnet
POWERTRAIN—EVS

- **10:00-10:30 AM**
- **Advances in Li-ion Battery Technology to Reduce Cost and Weight**
Paul Beach, President, Octillion Power Systems
- **10:30-11:00 AM**
- **Extrusion Profiles for EV Battery Box Design**
Rob Nelson, VP Sales & Marketing, Almag Aluminum
- **11:00-11:30 AM**
- **Body Structure Considerations for Packaging the BEV Battery Enclosure**
Harry Singh, Sr Product Application Engineer, US Steel

POWERTRAIN—IC ENGINES

- **2:30-3:00 PM**
- **Automotive Engine Components Designed & Optimized by Additive Manufacturing**
Bruce Colter, Vice President and General Manager, SPEE3D
- **3:00-3:30 PM**
- **Composite Lightweighting Solutions for Driveline Systems**
Kai Peter Berndt, Sales Engineer, DYNEXA USA

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ROOM: Onyx/Opal/Garnet
- **8:00 AM** / Welcome Remarks
- **8:15 AM** / Keynote - Robert Cudini & U. Grover, General Motors Mid-Engine Corvette Body Structure
- **9:00 AM** / Networking Coffee Break

ROOM: Crystal/Sapphire/ Ruby
EXTERIOR/BODY

- **9:15-9:45 AM**
- **The Lightweighting Past and Future of Bumper Beams**
Joe Matecki, Product Manager—Innovation, Shape Corporation
- **9:45-10:15 AM**
- **Lightweighting Opportunities in Glazing**
Thomas Cleary, Reliability Manager, Auto Glass Solutions, Corning Incorporated
- **10:15-10:30 AM** Networking Coffee Break
- **10:30-11:00 AM**
- **Coupon to Crash: Improved Understanding of Materials & Structures with Optical Methods**
Justin Bucienki, Account Manager, Trillion Quality System
- **11:00-11:30 AM**
- **Hot Form Quench (HFQ®) Aluminum Sheet Technology**
Adrian Tautscher, Principal Technical Specialist—Applications, Impression Technologies Ltd

- **11:30-1:30 PM** Networking Luncheon in the Exhibit Hall
- **1:45-2:15 PM**
- **Policy Perspective—U.S. Fuel Economy Regulations and Their Implications for Lightweighting**
Michael Hartrick, Director, Fuel Economy & Climate, AutoAlliance

FASTENING & JOINING

- **2:30-3:00 PM**
- **Hybrid Body Panels with Structural Foam Reinforcements Enable Significant Weight Reduction in Automotive Engineering**
Eric Aldstadt, Head of Automotive Engineering, Henkel & Robert (Rob) Kokx, President, RLE International, Americas
- **3:00-3:30 PM**
- **Advancements in Joining of Challenging Lightweighting Materials Using Tailored Beam Fiber Lasers**
Kristen Tebo, PLT Applications Lab Manager, Coherent, Inc.
- **3:30-4:00 PM**
- **Bonding Technologies for Multi-Material Vehicle Body & NVH Reduction**
Kent Fung, Senior Market Field Manager, Research and Development, Sika Automotive

ROOM: Onyx/Opal/Garnet
CHASSIS & SUSPENSION

- **9:15-9:45 AM**
- **Carbon Fiber Composite Wheels**
Brad Lethorn, Engineering Program Manager, Carbon Revolution
- **9:45-10:15 AM**
- **Aluminum Composite Brakes: Lightweight, No Rust, Low Emissions**
Adam Thomas, Development Engineer R&D, AC Floby AB
- **10:15-10:30 AM** Networking Coffee Break
- **10:30-11:00 AM**
- **Lightweight Suspensions**
Cory Ryner, Chief Technology & Strategy Officer, Busche Performance Group
- **11:00-11:30 AM**
- **Optimization of Frames and Subframes with Tailor Welded Blanks**
Dawn Stubleski, Manager—New Product Development, TWB Company

ADDITIVE MANUFACTURING

- **2:30-3:00 PM**
- **Metal Additive Manufacturing in Automotive: Challenges and Opportunities**
Dr. Joy Forsmark, Technical Expert, Metals Additive Manufacturing, Ford Motor Company
- **3:00-3:30 PM**
- **Validated Digital Manufacturing Applications & Materials for Automotive**
Dr. Matthew Menyo, Product and R&D Manager, Materials Development, Carbon
- **3:30-4:00 PM**
- **Using Additive Manufacturing to Enable Lattice Structures for Automotive Lightweighting**
David Tucker (Automotive Lead) & James McCutcheon (Applications), HP