



Global Automotive Management Council

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IABC, ADIM 2026 Program

Michigan State University (MSU) Management Education Center

811 West Square Lake Road, Troy, MI 48098

September 23, 9:00 am – 12:30 pm

Plenary & Opening Keynote

Room 101

Moderator

Derek Patterson

Global Chief Body Architect

General Motors

Speakers

Josh Holder

Chief Engineer

Corvette and Performance Cars

General Motors

Unlocking Vehicle Quality Insights Through Generative AI and Multi-Source Data Integration

Karunesh Arora, PhD

Data Science Manager

Ford Motor Company

Sangeeta Theru

Director

XIL Platforms



Stellantis

Aligning Material Development to Address Challenges of Multi-Propulsion Systems

John (J.P.) McGuire

Global Director Automotive, Brazing, Commercial Transportation & Industrial Product Technology

Herve Gehanno, PhD

Vice President

Arconic Corporation

12:30 pm – 1:30 pm Lunch Served

Technical Sessions:

September 23, 1:30 pm – 5:00 pm

Product Introductions

Room 101

Moderator

Ryan Craig

Technical Specialist

Ford Motor Company

Speakers

Mustang GTD – Vehicle Introductions

Greg Goodall

Chief Engineer – Elite Vehicles and Niche Projects

Todd Valentine

Chief Program Engineer

Ford Motor Company

Corvette ZR1/ZR1X - Vehicle Introductions

Yazen Farha

Lead Design Release Engineer



Chad Stein

Body Engineer

General Motors

Fender and Hood Development on Corvette ZR1/ZR1X

Michael Hogberg

Design Release Engineer

General Motors

Integrated Subsystem Structural Validation: A Methodology for Translating Full Vehicle CAE to Component-Level Design

Vijay Pachore

CAE Crash Safety

Ford Motor Company

Performance Vehicle Technology – Demo

Corvette ZR1/ZR1X

Mustang GTD

Dodge Charger

Technical Sessions:

September 24, 9:00 pm – 12:30 pm

Fab Technologies for Sub-Assembly Performance Optimization

Room 101

Moderator

Jayson Coryell

Engineering Group Manager - Advanced Material Technology & Virtualization

General Motors

Speakers



Next Gen 6xxx High Form Aluminum

Carolyn Norwood, PhD

Staff Engineer

Arconic

AHSS and X-GPa® Steels for Cold and Hot Forming

HAN Fei, PhD

Chief Engineer

Automotive Steel Research Department (Customer Technology Research Center)

Central Research Institute (R&D Center)

Baoshan Iron & Steel CO., LTD.

Mario Padovani

Managing Director

Baosteel Tailored Blanks S.r.l.

Draw Bead Effects on the Stretch Bendability of 980G3 Steel

Hua-Chu Shih, PhD

Senior Research - Advanced Application Engineering

United States Steel Corporation

Influence of Porosity on the Tensile and Fatigue Properties of Die-Cast and Thixomolded Magnesium Alloys

Andy Wang, PhD

Material Technical Specialist - Body Structures & Closures. Materials Engineering

Qigui Wang, PhD

Fellow of ASM, SAE and TMS, GM Sr. Tech Fellow - Advanced Material Technology & Virtualization



Jason Coryell

Engineering Group Manager - Advanced Material Technology & Virtualization

General Motors

Anisotropic Creep Analysis for Injection Molded Short Fiber Reinforced Thermoplastics

Chunfu Lin, PhD

CAE Material Technical Specialist

Min Liu, PhD

Virtual Propulsion Engineer

Kathy Wang, PhD

CAE Material Technical Specialist

Fatemeh Hekmat

CAE Material Technical Specialist

Satvir Aashat

CAE Material Technical Specialist

General Motors

Comparison of Formability Performance Between CR550LA and CR590DP

Lindsay Brown

Application Engineer

United States Steel Corporation

12:30 pm – 1:30 pm Lunch Served

Technical Sessions:

September 24, 9:00 pm – 12:30 pm

Advances in Joining and Fabrication Technologies

Room 101

Moderators:



Jay Finn

LC Manager

Nidec Automatic Feed Co.

Junjie Ma, PhD

Sr Researcher, Manufacturing Joining, Quality & Analysis Research

General Motors

Speakers

New Coil Fed Laser Blanking Features

Jay Finn

LC Manager

Nidec Automatic Feed Co.

Development of In-line Die Control Technology to Reduce Springback in Automotive Parts

JinMo Koo, PhD

Senior Researcher

JaeWook Lee, PhD

Senior Researcher

TaeHyo Kim, PhD

Senior Researcher

POSCO

Lasers for Material Topography (Flatness)

Nicholas Goerss

Senior Sales Engineer

Keyence Corporation

Using AI for Machine Maintenance and Troubleshooting



Reece Mullins

Chief Executive Officer

Metis

Advanced FDS Mechanical Fastening: Automotive Application and CAE Modeling

Tae Hwa Lee, PhD

Welding & Joining Material Technical Specialist

Advanced Materials Technology and Virtualization

Steven Cipriano

Manufacturing Engineering

Tingting Zhang, PhD

CAE Material Technical Specialist - Welding and Mechanical Fasteners

Kathy Wang, PhD

CAE Material Technical Specialist, Materials & Joining Simulation Strategy Domain Lead

Jason Coryell

Engineering Group Manager - Advanced Material Technology & Virtualization

General Motors

Evaluating Metal Substrate Effects on Adhesive Joint Mechanics: A Numerical Approach

Liqiang Lin, PhD

CAE Adhesives Material Technical Specialist

Karthik Padian

Material Methods & Analysis - Non-Metals

Kathy Wang

VDDV Material Focus Group Leader Technical Specialist

General Motors



12:30 pm – 1:30 pm Lunch Served

Technical Sessions:

September 24, 1:30 pm – 5:30 pm

Material Properties and Optimization

Room 101

Moderator

Sudip Bhattacharjee, PhD

Supervisor

Ford Motor Company

Speakers:

Multi-Forming Structures (MFS): A STAF®-Based Approach to Higher Stiffness and Lower CO₂

Ryuichi Funada

Global Business Development Team Lead

Sumitomo Heavy Industries (USA), Inc

Norieda Ueno

General Manager

Sumitomo Heavy Industries Ltd

Kazuhiro Saitou, PhD

Professor, Department of Mechanical Engineering

University of Michigan

FuxiBase – The Highly Integrated Steel Solution of Future EV Underbody

HAN Fei, PhD

Chief Engineer

Automotive Steel Research Department (Customer Technology Research Center)



Central Research Institute (R&D Center)

Baoshan Iron & Steel CO., LTD.

Mario Padovani

Managing Director

Baosteel Tailored Blanks S.r.l.

Material Property Prediction for Foams using Machine Learning

Gokula Krishnan

VDDV Sr. Engineer

Harish Kavimani

VDDV Lead Engineer

Rajamanickam V S

VDDV Lead Engineer - Material Methods

Sai Siddhartha Muppana

CAE Optimization and ML Engineer

Tata Consultancy Services

Vesna Savic, PhD

Senior Materials Engineer

Sudeep Chavare

Vehicle Optimization Lead Engineer

General Motors

SSAB Zero MS1500 Qualification and Application in a Roll Formed Side Sill

Brian Oxley

ShapeNext NA Leader

Shape Corporation



Aluminum executions versus optimize Steel solutions

John Catterall

Secretary

A/SP and JCAT Engineering LLC

Next Gen 6xxx High Strength Aluminum

Brian Kelley, PhD

Senior Engineer – Alloy Technology

Arconic

Technical Aspects of Manufacturing Integration of Tubular Shapes in Automotive side Sill Structures

Harsha Kusnoorkar

Safety CAE Manager

Alex L Khutorsky

Senior Engineer, Materials Development

Hyundai America Technical Center, Inc. (HATCI)

Yu Miao

Advanced Applications Engineer

Mike Benoit

Senior Manager

Yu-Wei Wang, PhD

Corporate Manager, Advanced Engineering

Erik R. Anderson

General Manager

CLEVELAND-CLIFFS INC.

Local Mechanical Behavior and Fracture Mechanisms in Laser Welded Cap-to-Can Joints



Donghyuk Cho

Junjie Ma, PhD

Hassan Ghassemi-Armaki, PhD

Masoud M. Pour, PhD

Blair Carlson, PhD

General Motors Global R&D

Donghyuk Cho

Juwon Lee,

Wooseok Lee,

Joeng Whan Yoon

Korea Advanced Institute of Science and Technology (KAIST)