



AMERICAN AUTOMOTIVE SUMMIT 2018


NOVEMBER 6-7, 2018

EDWARD HOTEL & CONVENTION CENTER • DEARBORN, MI

usautosummit.com

TOMORROW'S CONNECTION TODAY

Driving Business performance through process and technological innovation

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PROGRAM

PROGRAM DAY ONE

*** JOIN US FOR THE PRE-EVENT SOCIAL NOVEMBER 5TH, 2017 AT 6:00 PM - 7:00 PM**

Sponsored by: 

7:00 am – 8:00 am

BREAKFAST

8:00 am – 8:10 am

CHAIR'S OPENING REMARKS

CARLA BAILO
President & CEO



CAR
CENTER FOR AUTOMOTIVE RESEARCH

DAVID COLE
Chairman



8:10 am – 8:50 am

KEYNOTE

PREPARING FOR INDUSTRY 4.0 THROUGH CHOOSING THE RIGHT CONTINUOUS IMPROVEMENT TECHNIQUES

- How FCA is adapting to an evolving automotive landscape by leveraging lean principles in their World Class Manufacturing system
- Balancing customer demands, complexity, supplier networks and market pressure
- How to implement a standardized operational practice that demonstrates management commitment, focused improvement, cost savings and quality control
- Benefiting from a plant simulation strategy that addresses concerns around market volatility

CARLO MATERAZZO
Head of World Class Manufacturing



8:50 am – 9:30 am

INNOVATION SPOTLIGHT

3D PRINTING AS A VIABLE & COST-EFFECTIVE AUTOMOTIVE MANUFACTURING PROCESS

- Understand how 3D printing is disrupting traditional automotive manufacturing processes as a tool-less option
- Learn how the HP Multi Jet Fusion technology works and what makes it so unique
- Realize the benefits of reduced mass, combined parts, and accelerated engineering development cycles
- Hear about the ideal applications & local success stories in automotive

MICHELLE BOCKMAN
Global Head of HP 3D Printing- Commercial Development & Expansion



9:30 am – 10:10 pm

EXECUTIVE SPOTLIGHT

INNOVATE IN CONSTANTLY CHANGING TIMES: REINVENTING FRONT-LINE LEADERSHIP TO DRIVE SUSTAINABLE GROWTH AND INNOVATION

- Empower Front-Line Leaders to be Change Agents in Your Organization
- Shift the Focus from “Firefighting” to Long-term Value Creation
- Create a Culture of Innovation to Achieve Sustainable, Long-term Growth
- Apply Industry 4.0 Tools Throughout Your Workplace

FABIAN SCHMAHL
President & CEO



10:15 am – 11:55 am

PRE-ARRANGED ONE-TO-ONE NETWORKING & REFRESHMENTS

12:00 pm – 12:35 pm

PROCESS STRATEGY

MANUFACTURING TO SMART FACTORY

- Connectivity, Internet, Computing and AI: how does breakthrough technology impact the factory of tomorrow
- The Smart Factory; what is it?
- A factory of the future – A Case Study
- The war for talent, the skill required to enable tomorrow's manufacturing

TOM APOSTOLOS
SVP, Global Exteriors



SUPPLIER OVERSIGHT

ADDRESSING 2018 PURCHASING CHALLENGES FROM A SUPPLIER VIEWPOINT

- How supplier relations impact the bottom line for both suppliers and OEMs
- A look at the OEM-supplier relationship: steps to improve your relations and a look at policies they are embracing
- Key strategies suppliers should consider when working with OEM purchasing teams

DAN KEY
SVP, Chief Supply Chain Officer



QUALITY

AN UPDATE AND OVERVIEW ON IATF 16949

- IATF 16949:2016 transition summary
- Key tools required to maintain an IATF 16949:2016 certified quality management system
- Insights for having robust internal audit and management review processes
- How the IATF is addressing key resource concerns for IATF 16949:2016 audits

CHERIE REICHE
Managing Director
International Automotive Oversight Bureau



12:40 pm – 1:15 pm

WORKSHOP

DIGITIZE TO THRIVE: BRILLIANT MANUFACTURING AS A BETTER WAY FORWARD

- Link design, engineering, manufacturing, supply chain, distribution and services into a truly scalable system.
- What are the metrics to look out for behind this exercise in factory optimization
- Put the power in the hands of your decision makers: real time data as the key tool in maximizing plant floor efficiency.
- Tactics on synchronizing plant floor production with product quality and profitability

SENTHIL VIRTHACHALAM

Business Development Executive, Global Trade
Digitization



WORKSHOP

IIOT - REAL WORLD EXAMPLES OF HOW BIG DATA ANALYTICS HAS PROVIDED MEASURABLE RESULTS WITHOUT BREAKING THE BANK

- What is the hype and what should our business focus on?
- Downtime reduction through predictive monitoring and planning
- Process improvement - shorten the life cycle of introducing change
- Strategies for simplifying deployments to minimize risk and maximize ROI

BRANDON WITTE

President & CEO



1:15 pm – 2:15 pm

LUNCH & LEARN ROUND-TABLE DISCUSSIONS

PDMP'S METHODOLOGIES AND DELIVERABLES: IMPROVE QUALITY, INCREASE OEE AND POSITIVELY IMPACT YOUR MONTHLY P&L'S

JEFF MCLEAN

Director



CHANGING WHEN THE CHANGE IS HARD, EXPLORING CHANGE SUCCESSES AND FAILURES

BRANDON DAVIS

VP, Operations & General Manager



LOGISTICS EXCELLENCE IN AUTOMOTIVE INDUSTRY

RAJIB KUMAR JENA

General Manager



RFID SOLUTIONS IN TODAY'S MANUFACTURING ENVIRONMENTS

TIMOTHY GABRYS

Territory Manager



3D PRINTING AS A VIABLE & COST-EFFECTIVE AUTOMOTIVE MANUFACTURING PROCESS

DAVID TUCKER

3D Printing Automotive Consultant



2:20 pm – 2:55 pm

PROCESS STRATEGY

DRIVING COMPETITIVE SUCCESS THROUGH MANUFACTURING EXCELLENCE AND CONTINUOUS IMPROVEMENT ORGANIZATION-WIDE

- Examining key strategies to drive growth and efficiencies while reducing costs
- Creating a continuous improvement plan that addresses the entire business while integrating data and analytics
- Create a culture that strives for operational discipline and maintains lean inventories

MIKE HARDIE
Director, Operational Excellence



INNOVATION

NON-EXHAUST EMISSIONS

- How brake dust is now being studied as a significant source of non-exhaust emissions generated by transportation vehicles
- A look at emission studies which are being undertaken to better model their effect on air quality and impacts to human health.
- Examining key Task Forces which have been formed to determine brake cycle tests, emissions sampling techniques & processes and the standard for formatting measurement reports
- Looking at the outcome of successful tests and examining the findings of these studies may lead to non-exhaust emission standards being created
- How technical leadership will be required to address the new challenges of striving for zero emissions on all vehicles

TERRY WOYCHOWSKI
VP, North American Test Operations



3:00 pm – 3:35 pm

WORKSHOP

EMERGING TRENDS IN INDUSTRY 4.0 – OUR VIEWS

- Manufacturing operation management
- Asset condition monitoring
- Predictive Maintenance

MADHAV KOMARAGIRI
VP, Automotive

PRADUMAN K. TICKOO
VP, Digital Manufacturing Services and Solutions



WORKSHOP

IBUILDING THE FACTORY OF THE FUTURE: IS YOUR FACILITY PREPARED FOR AUTOMATION

- Boost assembly line productivity in the first year
- Improve overall equipment effectiveness (OEE) in your core machine area
- Achieve a more future oriented facility to expand your market growth, expanding globally through a smart, connected environment

JEFF STADLER
Director- Engineered Solutions



WORKSHOP

OPPORTUNITIES TO DECREASE COST IN DEVELOPMENT AND MANUFACTURING

- Why should I be interested in manufacturing in Mexico?
- How our Manufacturing Management Services can give you a soft & safe landing
- Let's make a deal! What is the first step?

JESSE MELENDEZ
Director, Marketing & Business Development



3:40 pm – 5:00 pm

PRE-ARRANGED ONE-TO-ONE NETWORKING & REFRESHMENTS

5:05 pm – 5:45 pm

5:05 pm – 5:45 pm

EXECUTIVE SPOTLIGHT

INTEGRATED MANUFACTURING SUCCESS... IT'S ALL IN THE DETAILS

- Critical first step: Establishing a measurement system
- Understanding what drives your efficiency and effectiveness as an engineering organization
- Developing skill and staffing plans to support regional workload
- Implementing critical tools and infrastructure that expand capabilities
- Employing an organizational structure that provides global connectivity while enabling local autonomy and accountability

ROBIN MILAVEC
 VP, Global Engineering
 Nexteer Automotive



5:45 pm – 6:25 pm

LEADERSHIP SPOTLIGHT

DRIVING ENGINEERING EFFICIENCY AND EFFECTIVENESS IN A GLOBAL ENVIRONMENT

- Critical first step: Establishing a measurement system
- Understanding what drives your efficiency and effectiveness as an engineering organization
- Developing skill and staffing plans to support regional workload
- Implementing critical tools and infrastructure that expand capabilities
- Employing an organizational structure that provides global connectivity while enabling local autonomy and accountability
- Growing and retaining competency
- Striving for a shared culture of achievement, empowerment, accountability and teamwork

JEFF MCLEAN
 Director



6:25 pm – 7:05 pm

LIVE CASE PANEL


IMPROVE PRODUCTIVITY AND ENGAGEMENT THROUGH ELIMINATING THE AUTOMOTIVE INDUSTRY SKILLS GAP

- Challenges and solutions for new employee recruitment method
- Decreasing information gaps for improved employee knowledge and skills
- Seamless incorporation of new hires into existing supplier quality teams
- Developing engineers and quality professionals with an arsenal of technical expertise and high-level problem solving skills


CARLA BAILO
 President & CEO



SANKET AMBERKAR
 SVP, Marketing & Partnerships




LINDA TALIAFERRO
 VP, Global Quality



ROBIN MILAVEC
 VP, Global Engineering



CHERYL THOMPSON
 Director, Prototype



7:05pm – 7:10 pm

CHAIR'S CLOSING REMARKS

CARLA BAILO
 President & CEO



7:10pm – 8:10 pm

NETWORKING & DRINKS RECEPTION

Sponsored by:



PROGRAM DAY TWO

7:00 am – 8:00 am

NETWORKING & BREAKFAST BRIEF

CHERYL THOMPSON
Director, Prototype



ARVIS WILLIAMS
EVP, Quality and Continuous Improvement



CARLA BAILO
President & CEO



WOMEN IN LEADERSHIP BREAKFAST BRIEF

We invite our attendees to network at a Women in Leadership Breakfast Brief with discussion from leaders in the

- On-site registration is required for the breakfast briefs

8:00 am – 8:10 am

CHAIR'S OPENING REMARKS & REVIEW OF DAY ONE

CARLA BAILO
President & CEO



DAVID COLE
Chairman



8:10 am – 8:50 am

KEYNOTE

DRIVING SUSTAINABLE RESULTS: TOP MANAGEMENT'S ROLE IN SUCCESSFUL TOYOTA PRODUCTION SYSTEM IMPLEMENTATION

- Strengthen quality in your facility with visible strong commitment to the production system by adopting and learning TPS
- Drive efficiency by building a culture of improvement that will surface and solve problems in real time
- Achieve your company's top goals through an accurate and thorough understanding of TPS
- Stay proactive: Paying attention to the shop floor by visiting frequently to mitigate risks and improve best practices

JAMIE BONINI
VP, Toyota Production System Support Center



8:50 am – 9:30 am

LEADERSHIP SPOTLIGHT

INVESTING IN PEOPLE AND EMBRACING OPERATIONAL EXCELLENCE AND CONTINUOUS IMPROVEMENT

- Utilizing your team to achieve your quality goals
- Empower people to lead, innovate and drive continuous improvement
- Increase operational excellence through your team and the next generation of manufacturing executives
- Talent development techniques to ensure optimal execution of company goals

ARVIS WILLIAMS

EVP, Quality and Continuous Improvement



9:35 am – 10:35 am

NETWORKING & REFRESHMENTS

10:40 am – 11:15 am

WORKSHOP

ACTIVE AI FOR OPTIMIZING CONTROL PARAMETERS: RESULTS FROM WELDING AND CASTING ENVIRONMENTS

- What data is required to get meaningful results from AI on an ongoing basis?
- How AI-enabled process parameter optimization can assist in reducing defects and rework.
- Results experienced from the deployment of AI-enabled process parameter optimization in stud welding and grey-iron casting environments.
- How digitization of different processes, including quality inspection, can be coordinated to assist AI in the manufacturing environment.

FRANS CRONJE

Managing Director & Co-founder



WORKSHOP

DIGITALLY CONNECTING 3D METROLOGY OPERATIONS AND PRODUCT ENGINEERING TO INCREASE MANUFACTURING EFFICIENCY

- Why provide quality control teams with an efficient digital data storage solution to manage all 3D measurement data
- How product engineering teams can benefit from having real-time access to 3D measurement data and significantly improve manufacturing processes
- Learn how to leverage existing PLM systems to provide a complete digital storage solution for all 3D measurement data, and digitally connect quality control teams to product engineering teams
- Discover the value of transforming traditional waterfall measurement planning into a bidirectional collaborative process

MARC SOUCY

President, PH.D. & Co-founder



11:20 pm – 11:55 pm

SUPPLIER OVERSIGHT

INCREASE SUPPLIER VISIBILITY ACROSS ALL TIERS IN THE SUPPLY CHAIN: HOW TO IMPROVE LEAD TIMES AND PERFORMANCE

- Identify shortage and quality problems along the supply chain through lean processes, relationships and technology
- Clarifying supplier manufacturing processes and locations to reduce risk
- Communicating with suppliers to increase transparency and improve quality
- Unlocking the potential of true supply chain mapping and creation of operational transparency strategies
- Leveraging improved visibility to reduce cost through the value chain

CHUCK SANDERS

VP, Purchasing & Supplier Engineering Development



INNOVATION

\$16 BILLION REMAINING, EXPANDING U.S. ADVANCED VEHICLE AND COMPONENT MANUFACTURING WITHIN YOUR COMPANY: KEY PROCESSES TO GETTING YOUR APPLICATION APPROVED

- Prepare for the future of automotive manufacturing through updating and expanding your facility, your products and engineering integration initiatives
- Case Studies: how Tesla, Ford and Nissan are staying ahead of the curve through the Advanced Technology Vehicles Manufacturing program
- Achieve rising fuel economy standards through new technology advancements in your product production portfolio; an overview of components eligible to increase fuel economy performance
- Create and preserve American manufacturing jobs and expand domestic manufacturing

JOHN SNEED

Executive Director of the Loan Programs Office



12:00 am – 1:00am

LUNCH & LEARN ROUND-TABLE DISCUSSIONS

SUCCESSION PLANNING: WHAT YOUR COMPANY CAN DO TO DEVELOP THE NEXT GENERATION OF MANUFACTURING TALENT

LINDA TALIAFERRO

VP, Global Quality



THE GREAT DIVIDE: WHAT AUTOMOTIVE CONSUMERS ARE BUYING VS. AUTO & SUPPLIER INVESTMENTS IN FUTURE TECHNOLOGIES, PRODUCTS & BUSINESS MODELS

CARLA BAILO

President & CEO



INNOVATION ECOSYSTEM: HOW ARE YOU GROWING YOURSELF?

DAVID COLE

Chairman



AN OVERVIEW ON RECALL SIZE, SCOPE AND TYPE; HOW OEMS AND TIER 1

JEFF SUTTER

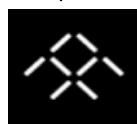
Global Director, Innovation & Continuous Improvement



LEAN STARTUP- IMPLEMENTING LEAN IN THE NEW GENERATION OF EV STARTUPS: HOW STARTUPS THRIVE DESPITE CHALLENGES OF AN ENGINEERING-FOCUSED ORGANIZATION, LIMITED RESOURCES, AND

LEONEL LEAL

Associate Director, Manufacturing & Engineering



DRIVING CHANGE WITH THE TOYOTA PRODUCTION SYSTEM

JAMIE BONINI

VP, Toyota Production System Support Center



CADIA: CENTER FOR AUTOMOTIVE DIVERSITY, INCLUSION & ADVANCEMENT: HOW TO DOUBLE THE NUMBER OF WOMEN LEADERS IN THE AUTOMOTIVE INDUSTRY BY 2030

CHERYL THOMPSON

Director, Prototype



1:05 pm – 1:40 pm

PROCESS STRATEGY

GAIN A COMPETITIVE ADVANTAGE THROUGH ACHIEVING AN IDEAL TOTAL DELIVERY COST

- Improve your operation cost structure by introducing new guidelines moving from top down to full-cost structure analysis
- Implement value stream-optimized principals to pinpoint and eliminate waste in the process
- Remain quality focused with a value-added production system that ensures total customer satisfaction
- Drive manufacturing to excellence through standardized best practices

JEFF SUTTER

Global Director, Innovation & Continuous Improvement



INNOVATION

A SUSTAINABLE BUSINESS MODEL FOR THE FUTURE OF TRANSPORTATION: HOW TO MEET THE DEMANDS OF ELECTRIC VEHICLES

- What is vital to grow the industry
- The opportunities for fleet management, working alongside automakers, municipalities & utilities
- How EV markets are evolving across the globe and what's next to meet demand

LEONEL LEAL

Associate Director, Manufacturing Engineering



1:45 pm – 2:25 pm

LEADERSHIP SPOTLIGHT

BUILDING ENGAGED TEAMS THAT DRIVE OPERATIONAL EXCELLENCE

- Discover the 3 components that are critical to any team's success
- Learn the 3 mistakes that leaders should avoid
- Decision making tips for the best interest of the team

CHERYL THOMPSON
Director, Prototype



2:30 pm – 3:05 pm

WORKSHOP

THE AUTO FUTURE: WILD TO WILDER

DAVID COLE
Chairman



3:10 pm – 3:50 pm

NAFTA PANEL


HOW A NAFTA-EXIT WILL IMPACT AUTOMOTIVE MANUFACTURING: BENEFITS OF NAFTA AND CONSEQUENCES OF WITHDRAWAL FROM THE AGREEMENT

- 31,000 U.S. automotive and parts jobs diminished: a look of what the 35 percent Tariff on light vehicles imported from Mexico means to U.S. employment
- Looking towards the future; will China, South Korea and Japan replace Canada and Mexico to be the U.S.'s largest automotive parts importer?
- Exploring all losses with a NAFTA-exit
- Vehicle prices increase
- U.S. market shrinking
- With a smaller market, the U.S. will suffer a loss of regulatory leadership to EU and China

CARLA BAILO
President & CEO



David Cole
Chairman



4:25 pm – 4:35 pm

CHAIRS CONCLUDING REMARKS AND CLOSE OF SUMMIT

CARLA BAILO
President & CEO

