IMPACT Manufacturing Summit

April 22-24th, 2018 | Las Vegas | The Red Rock Resort

IMPACT brings its attendees a truly comprehensive educational program that is 100% peer-driven and developed by 20 steering committee members from distinguished companies. The program addresses the major pressures and challenges seen in today's manufacturing world, from maintaining a successful continuous improvement system to the complex managing and developing of innovation, technology and workforce. IMPACT is a must-attend event for all manufacturing executives.

Distinguished Steering Committee Members

A.Y. McDonald Mfg. Co.
Breas Medical AB
Coast Composites Inc
Delta Systems Inc
K-Flex USA L.L.C
Lake Region Manufacturing, Inc.
NanoLumens Inc.
Oakley Inc
Gilead Sciences
Hill-Rom
J. Rettenmaier USA LP
Kahle Automation
Polyplex Corporation Limited
Reynolds Polymer Technology Inc
Safariland
U.S. Boiler Company Inc
U.S. Vision
Ushers Machine & Tool Co Inc.

Target Audience

C-Level, Senior Vice President, Vice President, Director, Head, Lead & Manager of:

Automation
Continuous Improvement
Distribution
Engineering
Facilities
Innovation
IT
Lean/Six Sigma
Logistics & Transportation
Maintenance
Manufacturing Operations
Owners & Presidents
Sustainability/Green
Packaging
Plant
Procurement & Sourcing
Production
Quality Control
Supply Chain

Program Key Themes & Discussion Topics

Leadership & Manufacturing Innovation Strategies

This track was specifically developed to support manufacturing leaders with best strategies and management tactics relating to planning and development, innovation, performance improvement and technology application. Effective leadership strategies are usually considered the foundation of any successful operation. Top leaders also see innovation and technology implementation as some of the most important ways for companies to accelerate the pace of change in today's global business environment. This track brings together a comprehensive view of varied methods that tackle some of the most pressing challenges in leadership.

Presentation: Reducing Hardware Development Time Through Virtual Testing

Product Development from concept to market in less than a year is becoming the norm. The appetite for increasing functionality in smaller and lighter devices is insatiable. We are now expecting access to cloud computing in the palm of our hands that can respond to your voice, touch gesture and your very location. The reality in consumer electronics is that there many unknown complex system interactions and we are not afforded years of risk assessment in this highly competitive market. What is the correct approach in designing product at risk where engineering cost and schedule are finite? In this talk we will examine 3 strategies: 1. Working backwards from the customer to product risk 2. Design through virtual simulation tools; 3. Development of customer-use centric specifications using stress-strength analysis. We will examine how leveraging the power of cloud computing has enabled these new methods and shape the future of Product development.

- Accurate representation of device usage is now enabled with cloud computing
- Higher customer satisfaction is achieved through the use of big data stress-strength analysis
- Time to market has been reduced 2x with these simulation techniques

Speaker: Patrick Tang, Vice President Hardware Engineering, AMAZON LAB126

Case Study: Win the "War on Waste" Through Progressive Capability Programs

Winning the "war on waste" requires a well thought out strategy fought on multiple fronts. This talk presents an overview of how we used Quality Centers of Expertise; management systems (internal, external, and customer audits), metrology (measuring things the right way with the right tools), and process control (proactively controlling and managing outputs) to meet ever increasing customer requirements without significantly impacting our cost structure.

- Change the way your company thinks about quality: develop an organizational vision
- Change the playing field: measure quality differently by focusing on the system rather than output at the end of the line
- Meeting "spec" is no longer enough; it's just the ante into the game. Understand your capabilities compared to your customers' expectations
- Progressive capability programs promote standardization and allow easier management of global quality expectations across multiple factories

Speaker: Jim Cameron, Vice President, Global Quality, COORSTEK

Presentation: Strategies to Improve Supply Chain Agility, While Driving Improved Manufacturing and Portfolio Productivity

In our ever-changing businesses, we are constantly challenged to deliver faster manufactured products at reduced cost. With the increase in e-commerce, we are also asked to provide more variety. Therefore, in this presentation I would like to share thoughts on how to approach this and drive optimized business solutions.

- Getting clear on the true business need
- Understand what levels you have to deliver the intent
- Push for breakthroughs in areas where the solutions are undefined

Speaker: Willie Johnson, Engineering Section Head – Platforming, PROCTOR & GAMBLE

Case Study: Fender: A Manufacturing Transformation Story

Join Ed Magee, Fender Musical Instruments Corporation's SVP Of Operations, For an Inside Look at The Company's Manufacturing Transformation Story and Best Practices for Internal and Contract Manufacturing. In this Presentation, Magee Will Explore Leadership and Innovation Strategies at Fender, In Addition to The Company's Rich History in Manufacturing. Since 1946, Fender Has Evolved Its Manufacturing Processes with Technological Developments, Always Continuing to Innovate to Maintain Its Leadership in The Musical Instruments Manufacturing Space.

- Inside look at Fender's transformation story
- Best practices for internal manufacturing
- Best practices for contract manufacturing

Speaker: Ed Magee, Senior Vice President Operations, FENDER MUSICAL INSTRUMENTS

Presentation: Achieving Cross Functional Goals Alignment to Increase Team Collaboration

Prioritization of objectives and tasks across multiple functions presents an ever-present challenge to manufacturing and quality leadership. Taking lessons from my years as a Senior Quality Leader within Johnson & Johnson, I will discuss strategies and tools for gaining cross functional alignment on goals that will help teams prioritize their work on a day to day basis to increase collaboration and results.

- That aligning on goals across functions is critical
- Always focus on the customer to set priorities
- How to effectively resolve conflicting priorities

Speaker: John Glaccum, Senior Director Quality Systems, Css, JOHNSON & JOHNSON

Effective Continuous Improvement

Continuous improvement is a great way for companies to identify opportunities and integrate improvements into their day-to-day operations. Working to constantly improve is the number one way in which businesses reduce operating overhead and streamline workflows. A successful CI plan allows companies to reduce wasted time and effort, resulting in time and money savings. This track will highlight some effective and tested continuous improvement strategies through carefully crafted presentations and case studies for the manufacturing leader of today.

Presentation: Developing Lean Transformation for Business Results

Implementing a lean production system in a traditional low volume, high mix environment that delivers world class business results.

- How to design a lean system
- Organization readiness for a lean transformation
- Expected results during and after implementation

Speaker: Graham Sparkes, Vice President Operations of Global Power Tools, APEX TOOL GROUP

Case Study: How to Find Failure Costs When They Are Transactional

Lean approaches to eliminating waste are nothing new, and attacked throughout the manufacturing world. However, when a company incurs transactional waste that you can't see in any gemba walk, how do you attack it? I will present our case study of how the waste happened, how nobody owned it, and how I went about figuring out where it was coming from and how to eliminate it. A virtual gemba walk, you might say.

- Understanding what failure costs are being measured
- Understanding what process flows are involved in those failure costs
- How do we sustain the continuous improvement?

Speaker: John Czerwinski, Director of Continuous Improvement, BRITAX CHILD SAFETY INC.

Presentation: Transforming Operations for Improved Agility & Customer Satisfaction

Transforming legacy processes and workforce to improve customer satisfaction and delivery performance. Cellular manufacturing development, design, & implementation improved agility, velocity, significant reduced work space, and advance pull to align global supply chain and end customers. This overview presents the U shape design, pick to light, pull system/ Kanbans back to extended global supply chain, & one-piece flow, resulting in meaningful improved customer delivery performance, reduction of change over, inventory levels improvement, and engaged workforce.

- Achieving Improved Customer Satisfaction
- Achieving Improved Delivery Performance.
- Decreasing Floor Space

Speaker: Santos Juarez, Director of Operations, EMERSON

- **Adaptation of Kaizen in US Manufacturing**
- **Workplace Motivation for Continuous Improvement**

Implementing Digital Manufacturing

The digital revolution is making a big impact in the world of manufacturing, providing more data than ever before. Artificial intelligence, automation and robotics, and additive technology are changing the game for many manufacturers and will transform every aspect of manufacturing in the next few years. However, the successful application and implementation of these technologies to optimize factory operations, boost product quality or improve cost-effectiveness is the challenge that many manufacturers are confronting. During this track, manufacturing leaders will discuss best strategies, practices and successful case studies of their digitalization transformation.

Presentation: Application of AI and Analytics for Manufacturing Supply Chain Excellence

Intel's manufacturing supply chain is a global and complex capital-intensive network, requiring many specialized materials and highly complex manufacturing processes with long lead times and short product lifecycles. To manage this complex supply network, the company embraced the use of AI and analytics in all facets of its manufacturing supply chain to make data-driven decisions. Intel has enabled an intelligent manufacturing supply chain by investing in improved technology, advancing analytics and developing data science skills for its workforce.

- Learn about Intel's manufacturing supply chain excellence
- Key AI and Analytics tools and capabilities to advance your manufacturing supply chain
- Emerging and disruptive technologies for manufacturing supply chain

Speaker: Mani Janakiram, Director, INTEL CORPORATION

Presentation: Digitizing Quality

In my presentation, I will discuss how in an age of rapid digitization, cloudification and increasingly ubiquitous artificial intelligence quickly disrupting existing business models and entire industry segments, a modern quality organization can respond to these challenges to ensure customer satisfaction, strengthen brand value and deliver value to the shareholder.

- Main trends affecting quality in organizations due to digitization
- How digitization will radically change customers' perception of what quality is and what it's worth
- How digitization will change the way you engage your employees on quality and who owns it
- How organizations can act proactively to prepare for the swift changes at hand

Speaker: Markus Bolte, Head of Quality Strategy, NOKIA CORPORATION

- **Automation and Robotics: The Impact on the Factory Floor and Future Workforce**
- **Current and Future Opportunities of Additive Manufacturing**

Workforce & Talent Management

In the business world, it has now been established that to drive optimal levels of operational success, business leaders need to engage high-performing employees, foster new talent and keep developing their workforce. Throughout this track workforce management experts will discuss top approaches to keeping an engaged workforce, managing the changing landscape and tackling the task of attracting qualified talent.

- **How to Attract Millennials into Perceived Lower Tech Manufacturing Careers**
- **Workforce Training and Development: Creating Leaders at all Levels**
- **Improving Current Employee Engagement and Productivity Levels**
- **Strategies for Retention of Skilled Employees in a Changing Workforce Landscape**